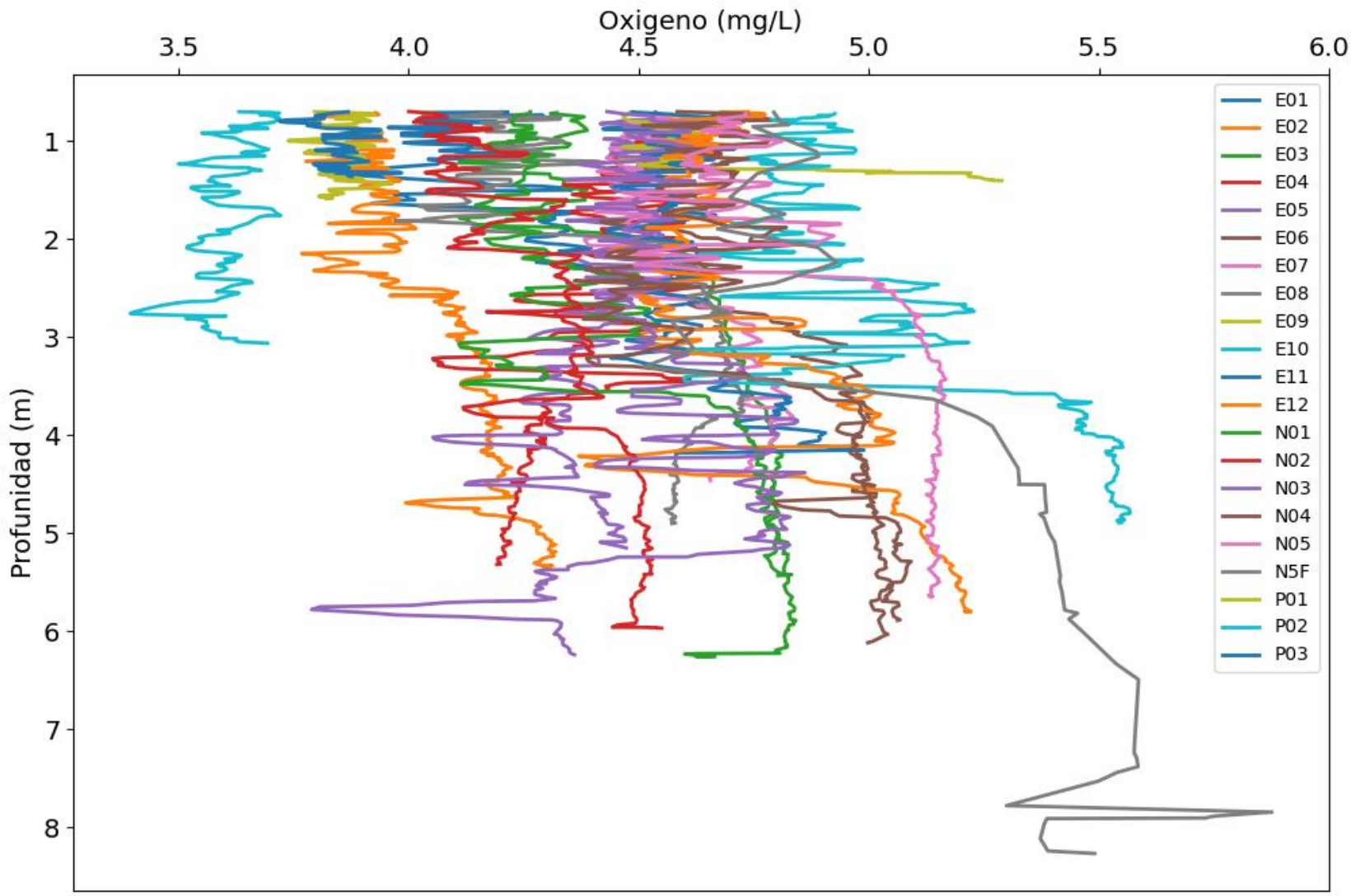
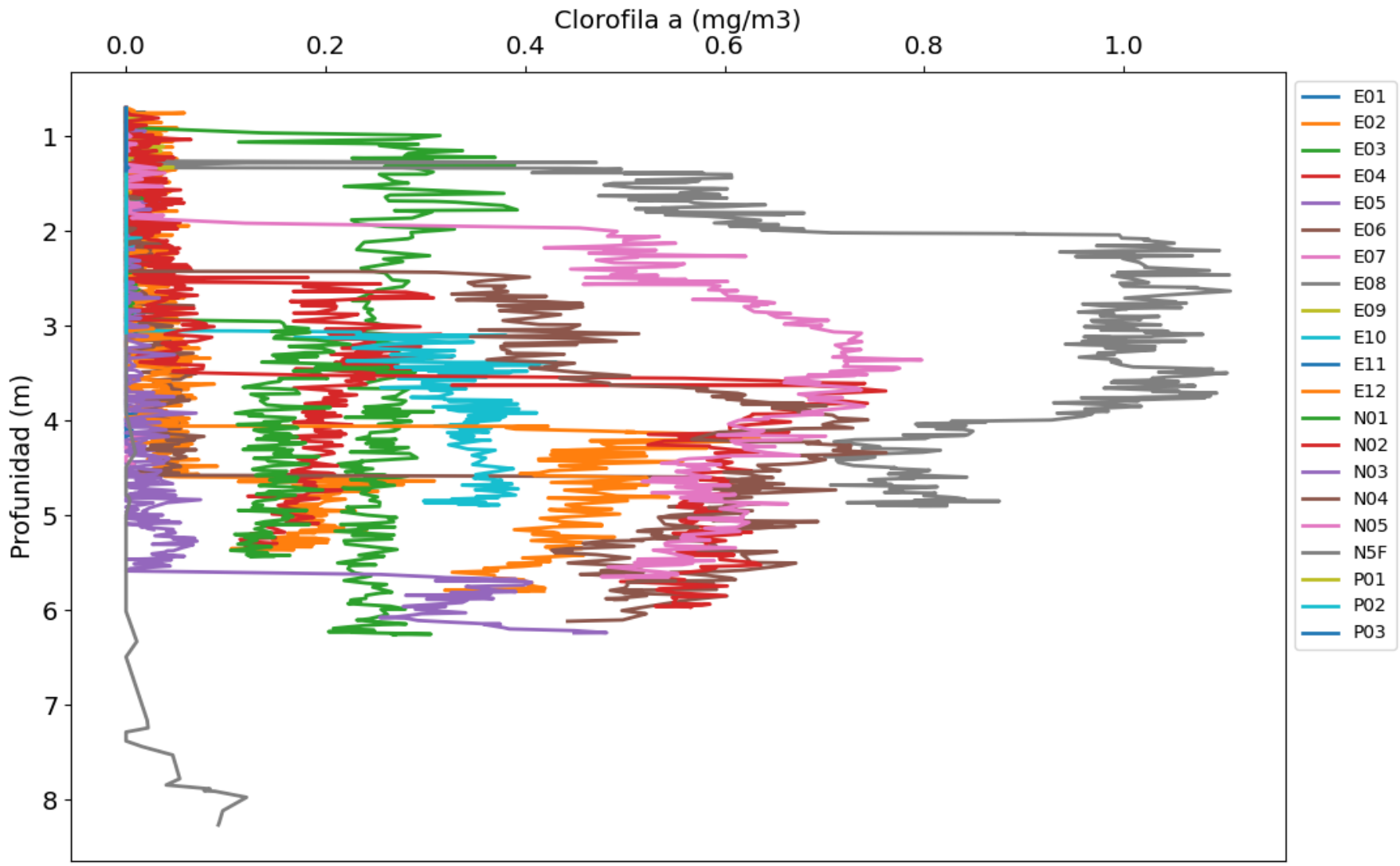
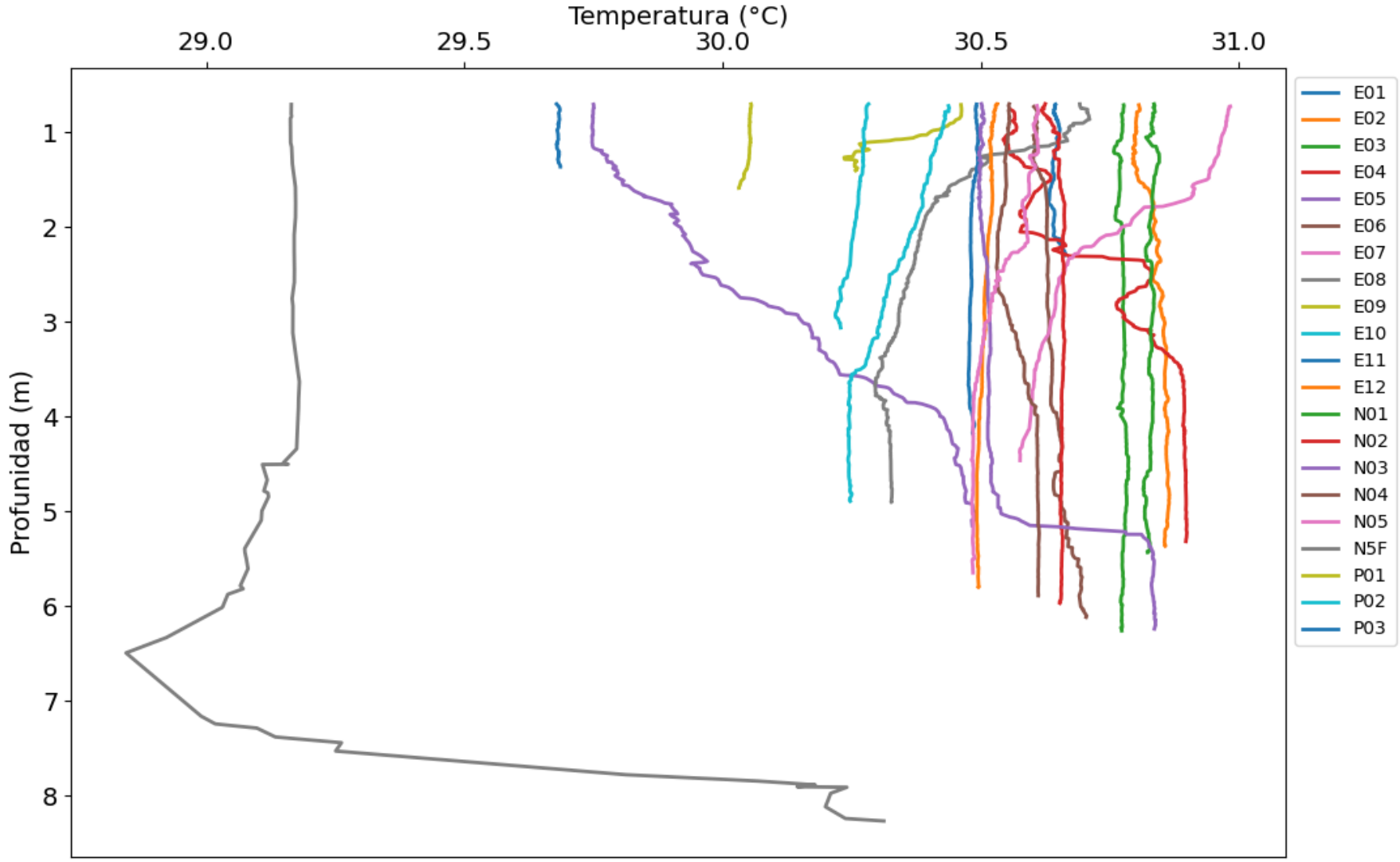
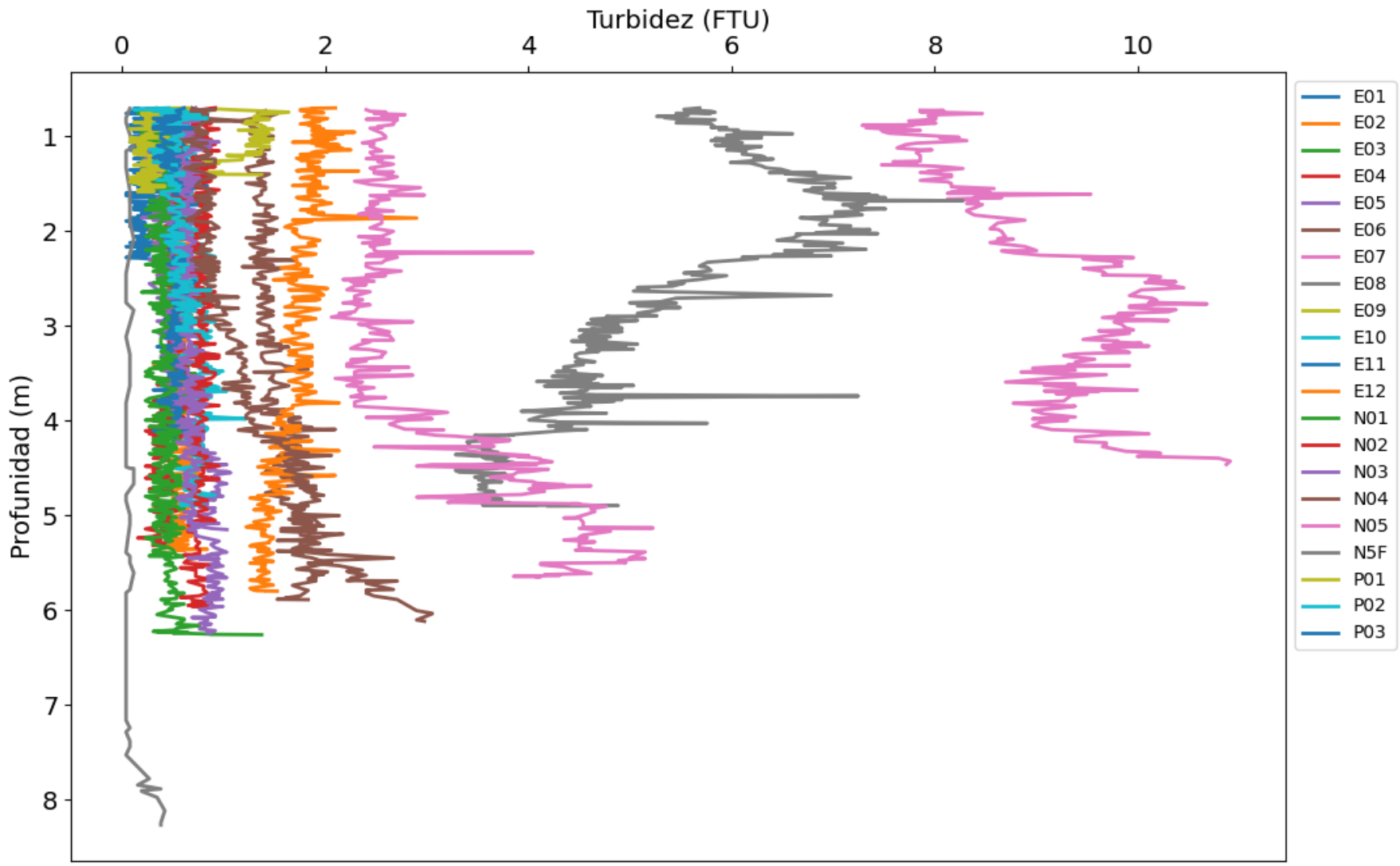
**FICHA GENERAL DE MUESTREOS PARA OXÍGENO, TURBIDEZ, CLOROFILA Y TEMPERATURA** **FECHA: 20220808**

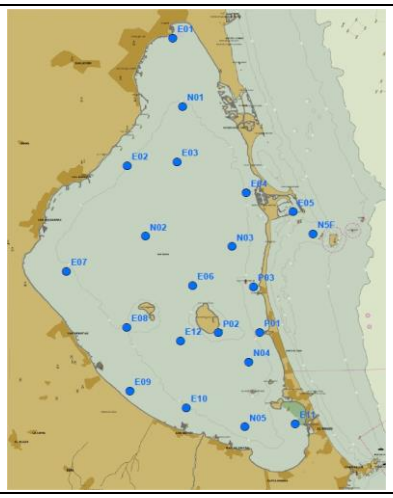


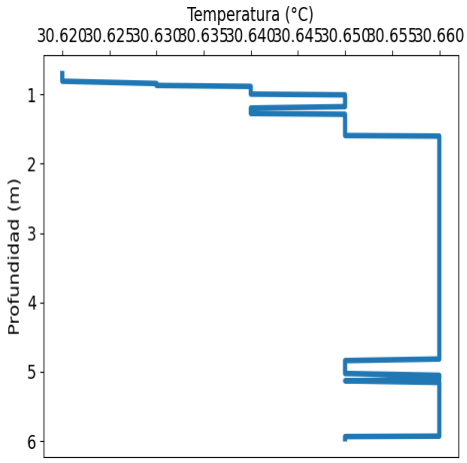

Clorofila a (mg/m3)
0.0
0.2
0.4
0.6
0.8
1.0
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

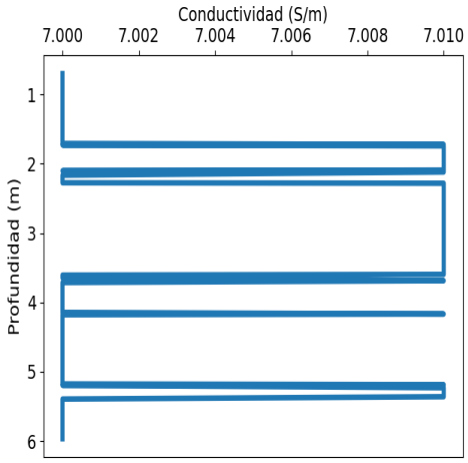

Temperatura (°C)
29.0
29.5
30.0
30.5
31.0
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

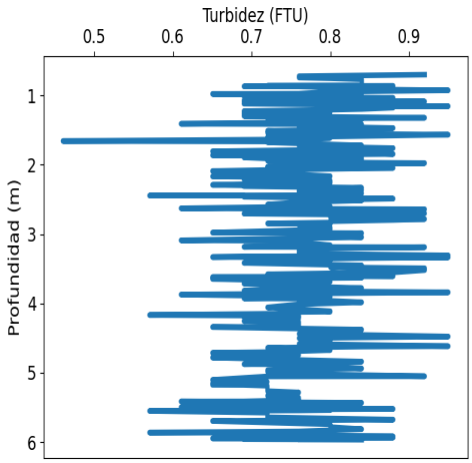

Turbidez (FTU)
0
2
4
6
8
10
Profunidad (m)
1
2
3
4
5
6
7
8
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

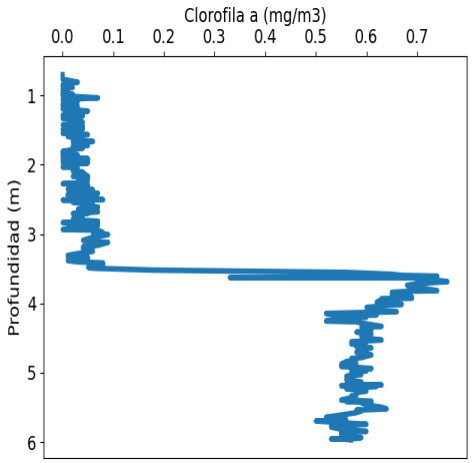
**Nombre: CTD N02 - Punto 001** **Fecha: 08/08/2022** **Hora: 06:08:55**

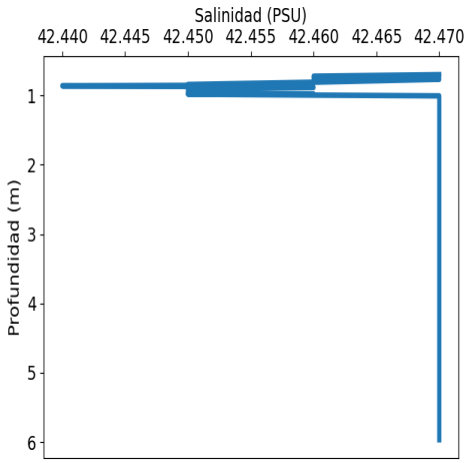


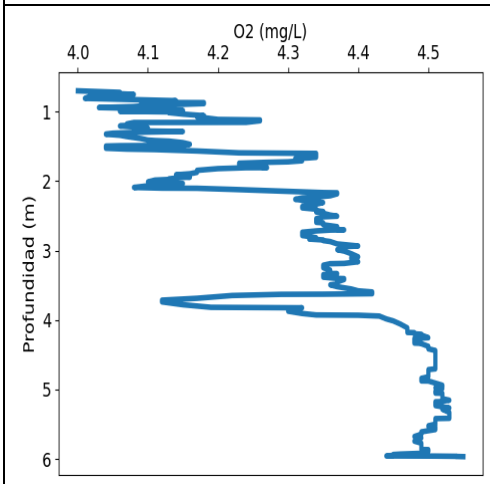



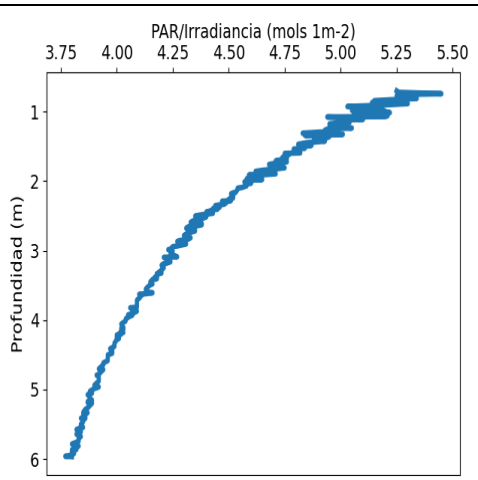




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.62 | 7.0 | 0.46 | 4.0 | 3.77 | 0.0 | 42.44 |
| **PROF (metros)** | 0.7 | 0.7 | 1.657 | 0.7 | 5.962 | 0.7 | 0.86 |
| **MÁXIMO** | 30.66 | 30.66 | 0.95 | 4.55 | 5.45 | 0.76 | 42.47 |
| **PROF (metros)** | 1.601 | 1.722 | 0.926 | 5.967 | 0.742 | 3.687 | 0.7 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N02 - Punto 001 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.63 | 7.0 | 0.8 | 4.09 | 5.21 | 0.0 | 42.45 |
| 1 - 2m | 30.65 | 7.0 | 0.78 | 4.16 | 4.85 | 0.02 | 42.47 |
| 2 - 3m | 30.66 | 7.01 | 0.77 | 4.31 | 4.42 | 0.04 | 42.47 |
| 3 - 4m | 30.66 | 7.01 | 0.78 | 4.34 | 4.15 | 0.33 | 42.47 |
| 4 - 5m | 30.66 | 7.0 | 0.76 | 4.49 | 3.97 | 0.59 | 42.47 |
| 5 - 6m | 30.66 | 7.0 | 0.73 | 4.51 | 3.84 | 0.57 | 42.47 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.7 | 30.62 | 7.0 | 0.92 | 4.0 | 5.25 | 0.0 | 42.47 |
| 0.722 | 30.62 | 7.0 | 0.76 | 4.06 | 5.26 | 0.0 | 42.46 |
| 0.742 | 30.62 | 7.0 | 0.76 | 4.06 | 5.45 | 0.0 | 42.46 |
| 0.752 | 30.62 | 7.0 | 0.8 | 4.08 | 5.29 | 0.0 | 42.46 |
| 0.767 | 30.62 | 7.0 | 0.84 | 4.02 | 5.25 | 0.0 | 42.47 |
| 0.809 | 30.62 | 7.0 | 0.84 | 4.01 | 5.34 | 0.03 | 42.46 |
| 0.842 | 30.63 | 7.0 | 0.84 | 4.14 | 5.15 | 0.0 | 42.45 |
| 0.855 | 30.63 | 7.0 | 0.84 | 4.13 | 5.15 | 0.0 | 42.45 |
| 0.86 | 30.63 | 7.0 | 0.72 | 4.09 | 5.21 | 0.0 | 42.44 |
| 0.862 | 30.63 | 7.0 | 0.88 | 4.12 | 5.23 | 0.0 | 42.44 |
| 0.869 | 30.63 | 7.0 | 0.69 | 4.14 | 5.14 | 0.0 | 42.45 |
| 0.87 | 30.63 | 7.0 | 0.76 | 4.18 | 5.22 | 0.0 | 42.45 |
| 0.884 | 30.64 | 7.0 | 0.8 | 4.18 | 5.3 | 0.02 | 42.46 |
| 0.911 | 30.64 | 7.0 | 0.84 | 4.1 | 5.15 | 0.0 | 42.45 |
| 0.926 | 30.64 | 7.0 | 0.95 | 4.08 | 5.03 | 0.01 | 42.45 |
| 0.941 | 30.64 | 7.0 | 0.84 | 4.03 | 5.18 | 0.0 | 42.45 |
| 0.95 | 30.64 | 7.0 | 0.8 | 4.07 | 5.16 | 0.0 | 42.45 |
| 0.974 | 30.64 | 7.0 | 0.76 | 4.08 | 5.12 | 0.0 | 42.45 |
| 0.978 | 30.64 | 7.0 | 0.65 | 4.14 | 5.19 | 0.0 | 42.46 |
| 0.982 | 30.64 | 7.0 | 0.76 | 4.15 | 5.05 | 0.02 | 42.45 |
| 0.995 | 30.64 | 7.0 | 0.69 | 4.06 | 5.2 | 0.0 | 42.46 |
| 1.006 | 30.65 | 7.0 | 0.84 | 4.15 | 5.08 | 0.01 | 42.47 |
| 1.009 | 30.65 | 7.0 | 0.76 | 4.15 | 5.17 | 0.0 | 42.47 |
| 1.014 | 30.65 | 7.0 | 0.69 | 4.13 | 5.22 | 0.02 | 42.47 |
| 1.035 | 30.65 | 7.0 | 0.88 | 4.15 | 5.06 | 0.07 | 42.47 |
| 1.058 | 30.65 | 7.0 | 0.72 | 4.18 | 5.21 | 0.0 | 42.47 |
| 1.071 | 30.65 | 7.0 | 0.69 | 4.17 | 5.2 | 0.03 | 42.47 |
| 1.076 | 30.65 | 7.0 | 0.76 | 4.17 | 4.94 | 0.01 | 42.47 |
| 1.087 | 30.65 | 7.0 | 0.92 | 4.18 | 5.04 | 0.03 | 42.47 |
| 1.112 | 30.65 | 7.0 | 0.69 | 4.2 | 5.1 | 0.02 | 42.47 |
| 1.119 | 30.65 | 7.0 | 0.69 | 4.26 | 5.01 | 0.0 | 42.47 |
| 1.131 | 30.65 | 7.0 | 0.8 | 4.26 | 5.01 | 0.0 | 42.47 |
| 1.154 | 30.65 | 7.0 | 0.8 | 4.24 | 5.04 | 0.0 | 42.47 |
| 1.155 | 30.65 | 7.0 | 0.95 | 4.11 | 5.03 | 0.03 | 42.47 |
| 1.156 | 30.65 | 7.0 | 0.88 | 4.08 | 5.0 | 0.03 | 42.47 |
| 1.176 | 30.65 | 7.0 | 0.88 | 4.07 | 4.95 | 0.02 | 42.47 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.196 | 30.64 | 7.0 | 0.84 | 4.07 | 4.95 | 0.0 | 42.47 |
| 1.206 | 30.64 | 7.0 | 0.8 | 4.06 | 4.97 | 0.02 | 42.47 |
| 1.226 | 30.64 | 7.0 | 0.69 | 4.09 | 5.01 | 0.05 | 42.47 |
| 1.236 | 30.64 | 7.0 | 0.8 | 4.1 | 5.05 | 0.01 | 42.47 |
| 1.247 | 30.64 | 7.0 | 0.76 | 4.1 | 4.95 | 0.04 | 42.47 |
| 1.265 | 30.64 | 7.0 | 0.69 | 4.09 | 4.93 | 0.02 | 42.47 |
| 1.275 | 30.64 | 7.0 | 0.76 | 4.08 | 4.99 | 0.01 | 42.47 |
| 1.286 | 30.65 | 7.0 | 0.76 | 4.15 | 4.97 | 0.0 | 42.47 |
| 1.288 | 30.65 | 7.0 | 0.8 | 4.13 | 4.95 | 0.02 | 42.47 |
| 1.296 | 30.65 | 7.0 | 0.69 | 4.09 | 4.9 | 0.04 | 42.47 |
| 1.31 | 30.65 | 7.0 | 0.8 | 4.05 | 4.83 | 0.03 | 42.47 |
| 1.322 | 30.65 | 7.0 | 0.92 | 4.04 | 4.98 | 0.03 | 42.47 |
| 1.326 | 30.65 | 7.0 | 0.88 | 4.04 | 5.01 | 0.0 | 42.47 |
| 1.332 | 30.65 | 7.0 | 0.72 | 4.05 | 4.87 | 0.0 | 42.47 |
| 1.34 | 30.65 | 7.0 | 0.84 | 4.06 | 4.84 | 0.03 | 42.47 |
| 1.358 | 30.65 | 7.0 | 0.8 | 4.07 | 4.95 | 0.02 | 42.47 |
| 1.387 | 30.65 | 7.0 | 0.76 | 4.09 | 4.93 | 0.04 | 42.47 |
| 1.409 | 30.65 | 7.0 | 0.61 | 4.1 | 4.88 | 0.02 | 42.47 |
| 1.416 | 30.65 | 7.0 | 0.84 | 4.11 | 4.91 | 0.01 | 42.47 |
| 1.424 | 30.65 | 7.0 | 0.84 | 4.13 | 4.93 | 0.0 | 42.47 |
| 1.446 | 30.65 | 7.0 | 0.76 | 4.15 | 4.85 | 0.04 | 42.47 |
| 1.47 | 30.65 | 7.0 | 0.88 | 4.16 | 4.81 | 0.01 | 42.47 |
| 1.485 | 30.65 | 7.0 | 0.84 | 4.15 | 4.87 | 0.04 | 42.47 |
| 1.49 | 30.65 | 7.0 | 0.76 | 4.06 | 4.85 | 0.0 | 42.47 |
| 1.495 | 30.65 | 7.0 | 0.8 | 4.04 | 4.85 | 0.02 | 42.47 |
| 1.51 | 30.65 | 7.0 | 0.72 | 4.04 | 4.83 | 0.03 | 42.47 |
| 1.527 | 30.65 | 7.0 | 0.76 | 4.04 | 4.84 | 0.03 | 42.47 |
| 1.539 | 30.65 | 7.0 | 0.72 | 4.07 | 4.79 | 0.02 | 42.47 |
| 1.546 | 30.65 | 7.0 | 0.76 | 4.11 | 4.8 | 0.0 | 42.47 |
| 1.566 | 30.65 | 7.0 | 0.95 | 4.17 | 4.8 | 0.05 | 42.47 |
| 1.593 | 30.65 | 7.0 | 0.8 | 4.23 | 4.82 | 0.01 | 42.47 |
| 1.601 | 30.66 | 7.0 | 0.72 | 4.34 | 4.75 | 0.02 | 42.47 |
| 1.612 | 30.66 | 7.0 | 0.8 | 4.34 | 4.77 | 0.04 | 42.47 |
| 1.634 | 30.66 | 7.0 | 0.76 | 4.34 | 4.76 | 0.02 | 42.47 |
| 1.657 | 30.66 | 7.0 | 0.46 | 4.34 | 4.74 | 0.04 | 42.47 |
| 1.665 | 30.66 | 7.0 | 0.76 | 4.33 | 4.76 | 0.06 | 42.47 |
| 1.676 | 30.66 | 7.0 | 0.72 | 4.31 | 4.76 | 0.02 | 42.47 |
| 1.707 | 30.66 | 7.0 | 0.8 | 4.32 | 4.71 | 0.03 | 42.47 |
| 1.722 | 30.66 | 7.01 | 0.84 | 4.3 | 4.76 | 0.05 | 42.47 |
| 1.729 | 30.66 | 7.0 | 0.76 | 4.27 | 4.71 | 0.02 | 42.47 |
| 1.742 | 30.66 | 7.01 | 0.8 | 4.23 | 4.71 | 0.02 | 42.47 |
| 1.76 | 30.66 | 7.01 | 0.88 | 4.23 | 4.68 | 0.04 | 42.47 |
| 1.782 | 30.66 | 7.01 | 0.8 | 4.25 | 4.69 | 0.02 | 42.47 |
| 1.806 | 30.66 | 7.01 | 0.65 | 4.27 | 4.7 | 0.0 | 42.47 |
| 1.807 | 30.66 | 7.01 | 0.76 | 4.24 | 4.75 | 0.02 | 42.47 |
| 1.82 | 30.66 | 7.01 | 0.84 | 4.2 | 4.72 | 0.0 | 42.47 |
| 1.845 | 30.66 | 7.01 | 0.88 | 4.17 | 4.65 | 0.0 | 42.47 |
| 1.86 | 30.66 | 7.01 | 0.69 | 4.17 | 4.62 | 0.03 | 42.47 |
| 1.863 | 30.66 | 7.01 | 0.65 | 4.17 | 4.62 | 0.0 | 42.47 |
| 1.874 | 30.66 | 7.01 | 0.84 | 4.17 | 4.67 | 0.0 | 42.47 |
| 1.894 | 30.66 | 7.01 | 0.69 | 4.16 | 4.71 | 0.02 | 42.47 |
| 1.909 | 30.66 | 7.01 | 0.72 | 4.14 | 4.65 | 0.0 | 42.47 |
| 1.912 | 30.66 | 7.01 | 0.84 | 4.15 | 4.59 | 0.05 | 42.47 |
| 1.915 | 30.66 | 7.01 | 0.72 | 4.15 | 4.62 | 0.02 | 42.47 |
| 1.935 | 30.66 | 7.01 | 0.84 | 4.15 | 4.64 | 0.0 | 42.47 |
| 1.943 | 30.66 | 7.01 | 0.72 | 4.16 | 4.63 | 0.03 | 42.47 |
| 1.946 | 30.66 | 7.01 | 0.84 | 4.15 | 4.61 | 0.05 | 42.47 |
| 1.967 | 30.66 | 7.01 | 0.8 | 4.13 | 4.58 | 0.0 | 42.47 |

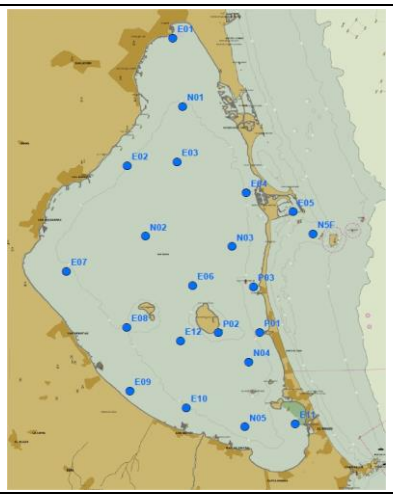
| 1.976 | 30.66 | 7.01 | 0.92 | 4.13 | 4.65 | 0.05 | 42.47 |
|---|---|---|---|---|---|---|---|
| 1.985 | 30.66 | 7.01 | 0.76 | 4.11 | 4.61 | 0.01 | 42.47 |
| 2.011 | 30.66 | 7.01 | 0.84 | 4.1 | 4.57 | 0.03 | 42.47 |
| 2.031 | 30.66 | 7.01 | 0.72 | 4.11 | 4.6 | 0.0 | 42.47 |
| 2.034 | 30.66 | 7.01 | 0.8 | 4.15 | 4.59 | 0.0 | 42.47 |
| 2.036 | 30.66 | 7.01 | 0.72 | 4.14 | 4.58 | 0.01 | 42.47 |
| 2.045 | 30.66 | 7.01 | 0.88 | 4.12 | 4.58 | 0.03 | 42.47 |
| 2.067 | 30.66 | 7.01 | 0.76 | 4.1 | 4.58 | 0.02 | 42.47 |
| 2.091 | 30.66 | 7.01 | 0.65 | 4.08 | 4.56 | 0.02 | 42.47 |
| 2.101 | 30.66 | 7.0 | 0.72 | 4.12 | 4.54 | 0.03 | 42.47 |
| 2.103 | 30.66 | 7.01 | 0.72 | 4.17 | 4.54 | 0.04 | 42.47 |
| 2.119 | 30.66 | 7.01 | 0.72 | 4.22 | 4.54 | 0.04 | 42.47 |
| 2.165 | 30.66 | 7.0 | 0.8 | 4.35 | 4.53 | 0.05 | 42.47 |
| 2.168 | 30.66 | 7.0 | 0.65 | 4.37 | 4.52 | 0.02 | 42.47 |
| 2.183 | 30.66 | 7.0 | 0.76 | 4.37 | 4.51 | 0.05 | 42.47 |
| 2.211 | 30.66 | 7.0 | 0.69 | 4.36 | 4.52 | 0.04 | 42.47 |
| 2.229 | 30.66 | 7.0 | 0.8 | 4.34 | 4.51 | 0.05 | 42.47 |
| 2.242 | 30.66 | 7.0 | 0.8 | 4.32 | 4.52 | 0.03 | 42.47 |
| 2.262 | 30.66 | 7.0 | 0.8 | 4.31 | 4.5 | 0.03 | 42.47 |
| 2.274 | 30.66 | 7.0 | 0.76 | 4.32 | 4.5 | 0.0 | 42.47 |
| 2.281 | 30.66 | 7.01 | 0.69 | 4.32 | 4.51 | 0.04 | 42.47 |
| 2.29 | 30.66 | 7.01 | 0.65 | 4.33 | 4.47 | 0.05 | 42.47 |
| 2.297 | 30.66 | 7.01 | 0.69 | 4.34 | 4.48 | 0.02 | 42.47 |
| 2.309 | 30.66 | 7.01 | 0.69 | 4.35 | 4.49 | 0.05 | 42.47 |
| 2.332 | 30.66 | 7.01 | 0.84 | 4.34 | 4.48 | 0.04 | 42.47 |
| 2.352 | 30.66 | 7.01 | 0.8 | 4.33 | 4.44 | 0.01 | 42.47 |
| 2.361 | 30.66 | 7.01 | 0.84 | 4.33 | 4.45 | 0.06 | 42.47 |
| 2.366 | 30.66 | 7.01 | 0.76 | 4.32 | 4.44 | 0.02 | 42.47 |
| 2.375 | 30.66 | 7.01 | 0.8 | 4.32 | 4.46 | 0.04 | 42.47 |
| 2.385 | 30.66 | 7.01 | 0.8 | 4.32 | 4.44 | 0.06 | 42.47 |
| 2.395 | 30.66 | 7.01 | 0.76 | 4.33 | 4.43 | 0.05 | 42.47 |
| 2.404 | 30.66 | 7.01 | 0.8 | 4.34 | 4.45 | 0.03 | 42.47 |
| 2.413 | 30.66 | 7.01 | 0.84 | 4.34 | 4.43 | 0.07 | 42.47 |
| 2.424 | 30.66 | 7.01 | 0.8 | 4.34 | 4.42 | 0.01 | 42.47 |
| 2.438 | 30.66 | 7.01 | 0.8 | 4.35 | 4.41 | 0.05 | 42.47 |
| 2.445 | 30.66 | 7.01 | 0.57 | 4.34 | 4.4 | 0.05 | 42.47 |
| 2.446 | 30.66 | 7.01 | 0.69 | 4.35 | 4.41 | 0.01 | 42.47 |
| 2.462 | 30.66 | 7.01 | 0.69 | 4.35 | 4.43 | 0.03 | 42.47 |
| 2.489 | 30.66 | 7.01 | 0.88 | 4.36 | 4.37 | 0.06 | 42.47 |
| 2.505 | 30.66 | 7.01 | 0.8 | 4.37 | 4.35 | 0.08 | 42.47 |
| 2.509 | 30.66 | 7.01 | 0.76 | 4.36 | 4.37 | 0.0 | 42.47 |
| 2.514 | 30.66 | 7.01 | 0.84 | 4.35 | 4.4 | 0.06 | 42.47 |
| 2.541 | 30.66 | 7.01 | 0.76 | 4.34 | 4.38 | 0.02 | 42.47 |
| 2.574 | 30.66 | 7.01 | 0.72 | 4.34 | 4.34 | 0.06 | 42.47 |
| 2.593 | 30.66 | 7.01 | 0.76 | 4.34 | 4.33 | 0.05 | 42.47 |
| 2.6 | 30.66 | 7.01 | 0.8 | 4.35 | 4.34 | 0.05 | 42.47 |
| 2.611 | 30.66 | 7.01 | 0.72 | 4.35 | 4.38 | 0.07 | 42.47 |
| 2.628 | 30.66 | 7.01 | 0.61 | 4.35 | 4.38 | 0.04 | 42.47 |
| 2.642 | 30.66 | 7.01 | 0.92 | 4.36 | 4.36 | 0.03 | 42.47 |
| 2.656 | 30.66 | 7.01 | 0.76 | 4.37 | 4.32 | 0.04 | 42.47 |
| 2.678 | 30.66 | 7.01 | 0.88 | 4.37 | 4.31 | 0.07 | 42.47 |
| 2.697 | 30.66 | 7.01 | 0.8 | 4.37 | 4.32 | 0.04 | 42.47 |
| 2.702 | 30.66 | 7.01 | 0.92 | 4.38 | 4.35 | 0.05 | 42.47 |
| 2.705 | 30.66 | 7.01 | 0.69 | 4.36 | 4.35 | 0.02 | 42.47 |
| 2.717 | 30.66 | 7.01 | 0.8 | 4.34 | 4.35 | 0.04 | 42.47 |
| 2.736 | 30.66 | 7.01 | 0.8 | 4.32 | 4.33 | 0.04 | 42.47 |
| 2.762 | 30.66 | 7.01 | 0.8 | 4.32 | 4.31 | 0.03 | 42.47 |
| 2.783 | 30.66 | 7.01 | 0.92 | 4.32 | 4.3 | 0.02 | 42.47 |

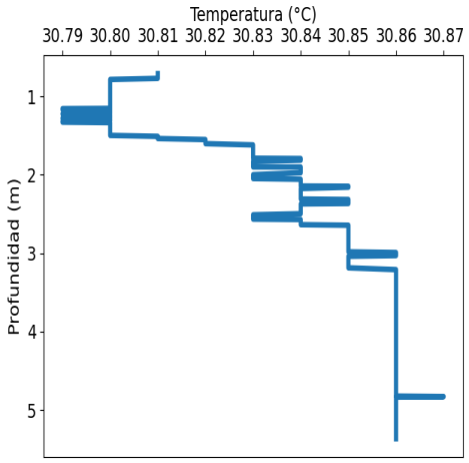
| 2.797 | 30.66 | 7.01 | 0.88 | 4.33 | 4.32 | 0.03 | 42.47 |
|---|---|---|---|---|---|---|---|
| 2.815 | 30.66 | 7.01 | 0.8 | 4.34 | 4.33 | 0.07 | 42.47 |
| 2.834 | 30.66 | 7.01 | 0.8 | 4.33 | 4.32 | 0.0 | 42.47 |
| 2.847 | 30.66 | 7.01 | 0.72 | 4.35 | 4.3 | 0.03 | 42.47 |
| 2.856 | 30.66 | 7.01 | 0.8 | 4.35 | 4.28 | 0.03 | 42.47 |
| 2.87 | 30.66 | 7.01 | 0.76 | 4.36 | 4.27 | 0.07 | 42.47 |
| 2.904 | 30.66 | 7.01 | 0.8 | 4.37 | 4.31 | 0.02 | 42.47 |
| 2.934 | 30.66 | 7.01 | 0.8 | 4.4 | 4.27 | 0.0 | 42.47 |
| 2.944 | 30.66 | 7.01 | 0.76 | 4.38 | 4.25 | 0.07 | 42.47 |
| 2.979 | 30.66 | 7.01 | 0.65 | 4.38 | 4.24 | 0.08 | 42.47 |
| 2.987 | 30.66 | 7.01 | 0.84 | 4.37 | 4.23 | 0.06 | 42.47 |
| 3.008 | 30.66 | 7.01 | 0.76 | 4.38 | 4.25 | 0.09 | 42.47 |
| 3.045 | 30.66 | 7.01 | 0.84 | 4.39 | 4.24 | 0.06 | 42.47 |
| 3.09 | 30.66 | 7.01 | 0.61 | 4.4 | 4.27 | 0.04 | 42.47 |
| 3.098 | 30.66 | 7.01 | 0.76 | 4.39 | 4.21 | 0.05 | 42.47 |
| 3.12 | 30.66 | 7.01 | 0.76 | 4.39 | 4.23 | 0.09 | 42.47 |
| 3.161 | 30.66 | 7.01 | 0.8 | 4.4 | 4.24 | 0.07 | 42.47 |
| 3.185 | 30.66 | 7.01 | 0.69 | 4.38 | 4.22 | 0.04 | 42.47 |
| 3.189 | 30.66 | 7.01 | 0.92 | 4.36 | 4.21 | 0.06 | 42.47 |
| 3.211 | 30.66 | 7.01 | 0.76 | 4.35 | 4.2 | 0.04 | 42.47 |
| 3.247 | 30.66 | 7.01 | 0.76 | 4.35 | 4.21 | 0.06 | 42.47 |
| 3.281 | 30.66 | 7.01 | 0.76 | 4.36 | 4.2 | 0.03 | 42.47 |
| 3.308 | 30.66 | 7.01 | 0.95 | 4.36 | 4.19 | 0.01 | 42.47 |
| 3.324 | 30.66 | 7.01 | 0.69 | 4.36 | 4.2 | 0.01 | 42.47 |
| 3.332 | 30.66 | 7.01 | 0.65 | 4.36 | 4.18 | 0.04 | 42.47 |
| 3.333 | 30.66 | 7.01 | 0.8 | 4.37 | 4.19 | 0.05 | 42.47 |
| 3.335 | 30.66 | 7.01 | 0.95 | 4.36 | 4.18 | 0.04 | 42.47 |
| 3.347 | 30.66 | 7.01 | 0.84 | 4.35 | 4.18 | 0.03 | 42.47 |
| 3.365 | 30.66 | 7.01 | 0.72 | 4.35 | 4.18 | 0.05 | 42.47 |
| 3.383 | 30.66 | 7.01 | 0.8 | 4.35 | 4.17 | 0.01 | 42.47 |
| 3.401 | 30.66 | 7.01 | 0.76 | 4.37 | 4.17 | 0.03 | 42.47 |
| 3.404 | 30.66 | 7.01 | 0.72 | 4.38 | 4.18 | 0.04 | 42.47 |
| 3.416 | 30.66 | 7.01 | 0.69 | 4.38 | 4.16 | 0.08 | 42.47 |
| 3.452 | 30.66 | 7.01 | 0.84 | 4.37 | 4.15 | 0.08 | 42.47 |
| 3.48 | 30.66 | 7.01 | 0.8 | 4.37 | 4.16 | 0.05 | 42.47 |
| 3.493 | 30.66 | 7.01 | 0.92 | 4.36 | 4.15 | 0.06 | 42.47 |
| 3.52 | 30.66 | 7.01 | 0.92 | 4.37 | 4.14 | 0.18 | 42.47 |
| 3.553 | 30.66 | 7.01 | 0.88 | 4.39 | 4.13 | 0.56 | 42.47 |
| 3.58 | 30.66 | 7.01 | 0.72 | 4.4 | 4.13 | 0.65 | 42.47 |
| 3.596 | 30.66 | 7.01 | 0.8 | 4.42 | 4.13 | 0.67 | 42.47 |
| 3.607 | 30.66 | 7.0 | 0.88 | 4.42 | 4.16 | 0.74 | 42.47 |
| 3.621 | 30.66 | 7.0 | 0.65 | 4.42 | 4.13 | 0.72 | 42.47 |
| 3.628 | 30.66 | 7.0 | 0.8 | 4.35 | 4.11 | 0.33 | 42.47 |
| 3.63 | 30.66 | 7.0 | 0.84 | 4.29 | 4.1 | 0.69 | 42.47 |
| 3.647 | 30.66 | 7.0 | 0.65 | 4.22 | 4.11 | 0.72 | 42.47 |
| 3.687 | 30.66 | 7.01 | 0.8 | 4.17 | 4.1 | 0.76 | 42.47 |
| 3.714 | 30.66 | 7.0 | 0.69 | 4.12 | 4.09 | 0.7 | 42.47 |
| 3.739 | 30.66 | 7.0 | 0.72 | 4.12 | 4.09 | 0.68 | 42.47 |
| 3.78 | 30.66 | 7.0 | 0.84 | 4.15 | 4.09 | 0.71 | 42.47 |
| 3.817 | 30.66 | 7.0 | 0.69 | 4.19 | 4.09 | 0.74 | 42.47 |
| 3.824 | 30.66 | 7.0 | 0.76 | 4.32 | 4.06 | 0.69 | 42.47 |
| 3.84 | 30.66 | 7.0 | 0.95 | 4.3 | 4.07 | 0.65 | 42.47 |
| 3.873 | 30.66 | 7.0 | 0.61 | 4.3 | 4.09 | 0.65 | 42.47 |
| 3.906 | 30.66 | 7.0 | 0.8 | 4.32 | 4.07 | 0.69 | 42.47 |
| 3.927 | 30.66 | 7.0 | 0.69 | 4.34 | 4.05 | 0.69 | 42.47 |
| 3.931 | 30.66 | 7.0 | 0.76 | 4.4 | 4.07 | 0.63 | 42.47 |
| 3.943 | 30.66 | 7.0 | 0.76 | 4.43 | 4.06 | 0.63 | 42.47 |
| 3.984 | 30.66 | 7.0 | 0.84 | 4.44 | 4.04 | 0.62 | 42.47 |

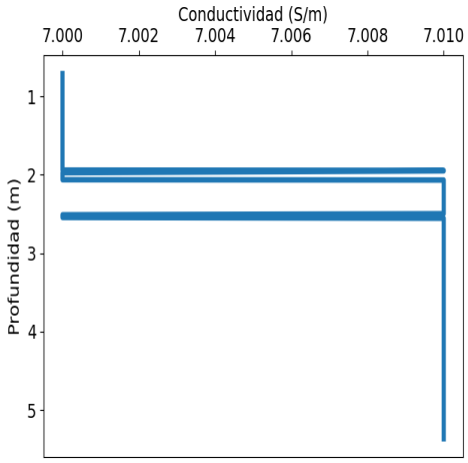
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.013 | 30.66 | 7.0 | 0.76 | 4.45 | 4.04 | 0.67 | 42.47 |
| 4.058 | 30.66 | 7.0 | 0.72 | 4.46 | 4.02 | 0.6 | 42.47 |
| 4.113 | 30.66 | 7.0 | 0.8 | 4.47 | 4.03 | 0.61 | 42.47 |
| 4.12 | 30.66 | 7.0 | 0.8 | 4.47 | 4.02 | 0.66 | 42.47 |
| 4.124 | 30.66 | 7.0 | 0.76 | 4.47 | 4.03 | 0.64 | 42.47 |
| 4.145 | 30.66 | 7.0 | 0.76 | 4.47 | 4.02 | 0.52 | 42.47 |
| 4.168 | 30.66 | 7.01 | 0.57 | 4.47 | 4.02 | 0.62 | 42.47 |
| 4.179 | 30.66 | 7.0 | 0.76 | 4.47 | 4.03 | 0.55 | 42.47 |
| 4.182 | 30.66 | 7.0 | 0.76 | 4.48 | 4.02 | 0.58 | 42.47 |
| 4.199 | 30.66 | 7.0 | 0.69 | 4.48 | 4.01 | 0.6 | 42.47 |
| 4.205 | 30.66 | 7.0 | 0.76 | 4.49 | 4.02 | 0.58 | 42.47 |
| 4.216 | 30.66 | 7.0 | 0.76 | 4.49 | 4.0 | 0.54 | 42.47 |
| 4.255 | 30.66 | 7.0 | 0.69 | 4.5 | 4.0 | 0.52 | 42.47 |
| 4.266 | 30.66 | 7.0 | 0.76 | 4.48 | 4.01 | 0.58 | 42.47 |
| 4.283 | 30.66 | 7.0 | 0.76 | 4.48 | 4.0 | 0.59 | 42.47 |
| 4.332 | 30.66 | 7.0 | 0.76 | 4.48 | 3.99 | 0.63 | 42.47 |
| 4.336 | 30.66 | 7.0 | 0.76 | 4.49 | 3.99 | 0.62 | 42.47 |
| 4.341 | 30.66 | 7.0 | 0.65 | 4.49 | 3.99 | 0.59 | 42.47 |
| 4.379 | 30.66 | 7.0 | 0.84 | 4.5 | 3.99 | 0.61 | 42.47 |
| 4.415 | 30.66 | 7.0 | 0.8 | 4.5 | 3.97 | 0.58 | 42.47 |
| 4.439 | 30.66 | 7.0 | 0.76 | 4.51 | 3.98 | 0.61 | 42.47 |
| 4.478 | 30.66 | 7.0 | 0.95 | 4.51 | 3.98 | 0.59 | 42.47 |
| 4.502 | 30.66 | 7.0 | 0.76 | 4.51 | 3.96 | 0.6 | 42.47 |
| 4.529 | 30.66 | 7.0 | 0.8 | 4.51 | 3.96 | 0.63 | 42.47 |
| 4.553 | 30.66 | 7.0 | 0.8 | 4.51 | 3.96 | 0.57 | 42.47 |
| 4.584 | 30.66 | 7.0 | 0.76 | 4.51 | 3.96 | 0.57 | 42.47 |
| 4.618 | 30.66 | 7.0 | 0.95 | 4.51 | 3.94 | 0.6 | 42.47 |
| 4.624 | 30.66 | 7.0 | 0.84 | 4.51 | 3.94 | 0.58 | 42.47 |
| 4.642 | 30.66 | 7.0 | 0.72 | 4.51 | 3.94 | 0.61 | 42.47 |
| 4.674 | 30.66 | 7.0 | 0.8 | 4.51 | 3.93 | 0.59 | 42.47 |
| 4.703 | 30.66 | 7.0 | 0.72 | 4.51 | 3.92 | 0.58 | 42.47 |
| 4.714 | 30.66 | 7.0 | 0.65 | 4.5 | 3.94 | 0.59 | 42.47 |
| 4.744 | 30.66 | 7.0 | 0.76 | 4.5 | 3.93 | 0.61 | 42.47 |
| 4.782 | 30.66 | 7.0 | 0.65 | 4.5 | 3.92 | 0.59 | 42.47 |
| 4.794 | 30.66 | 7.0 | 0.69 | 4.5 | 3.91 | 0.57 | 42.47 |
| 4.817 | 30.66 | 7.0 | 0.76 | 4.5 | 3.92 | 0.58 | 42.47 |
| 4.84 | 30.65 | 7.0 | 0.84 | 4.49 | 3.92 | 0.56 | 42.47 |
| 4.877 | 30.65 | 7.0 | 0.69 | 4.49 | 3.92 | 0.55 | 42.47 |
| 4.878 | 30.65 | 7.0 | 0.72 | 4.5 | 3.92 | 0.58 | 42.47 |
| 4.909 | 30.65 | 7.0 | 0.8 | 4.51 | 3.91 | 0.55 | 42.47 |
| 4.939 | 30.65 | 7.0 | 0.84 | 4.52 | 3.9 | 0.61 | 42.47 |
| 4.963 | 30.65 | 7.0 | 0.72 | 4.52 | 3.92 | 0.57 | 42.47 |
| 4.976 | 30.65 | 7.0 | 0.72 | 4.51 | 3.91 | 0.6 | 42.47 |
| 4.986 | 30.65 | 7.0 | 0.72 | 4.52 | 3.9 | 0.57 | 42.47 |
| 5.026 | 30.65 | 7.0 | 0.8 | 4.51 | 3.88 | 0.59 | 42.47 |
| 5.052 | 30.66 | 7.0 | 0.92 | 4.51 | 3.89 | 0.56 | 42.47 |
| 5.054 | 30.66 | 7.0 | 0.72 | 4.52 | 3.88 | 0.57 | 42.47 |
| 5.076 | 30.66 | 7.0 | 0.69 | 4.52 | 3.87 | 0.57 | 42.47 |
| 5.104 | 30.66 | 7.0 | 0.65 | 4.52 | 3.88 | 0.56 | 42.47 |
| 5.132 | 30.65 | 7.0 | 0.72 | 4.52 | 3.88 | 0.59 | 42.47 |
| 5.155 | 30.66 | 7.0 | 0.65 | 4.53 | 3.89 | 0.59 | 42.47 |
| 5.169 | 30.66 | 7.0 | 0.65 | 4.52 | 3.88 | 0.56 | 42.47 |
| 5.175 | 30.66 | 7.0 | 0.65 | 4.52 | 3.87 | 0.6 | 42.47 |
| 5.177 | 30.66 | 7.0 | 0.69 | 4.51 | 3.88 | 0.63 | 42.47 |
| 5.188 | 30.66 | 7.01 | 0.72 | 4.51 | 3.87 | 0.55 | 42.47 |
| 5.196 | 30.66 | 7.0 | 0.72 | 4.51 | 3.89 | 0.62 | 42.47 |
| 5.232 | 30.66 | 7.01 | 0.72 | 4.51 | 3.88 | 0.56 | 42.47 |
| 5.266 | 30.66 | 7.01 | 0.72 | 4.53 | 3.87 | 0.6 | 42.47 |

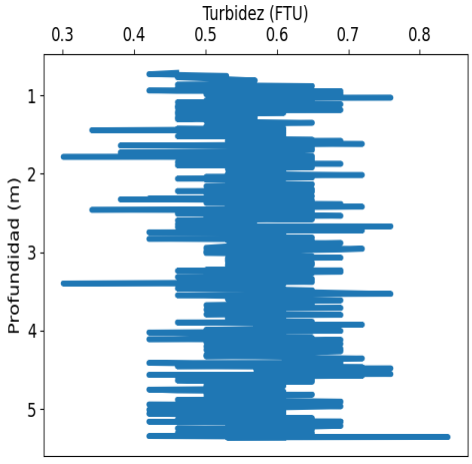
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.285 | 30.66 | 7.01 | 0.76 | 4.52 | 3.86 | 0.58 | 42.47 |
| 5.331 | 30.66 | 7.01 | 0.72 | 4.53 | 3.85 | 0.58 | 42.47 |
| 5.335 | 30.66 | 7.01 | 0.72 | 4.53 | 3.87 | 0.57 | 42.47 |
| 5.361 | 30.66 | 7.01 | 0.76 | 4.53 | 3.85 | 0.57 | 42.47 |
| 5.395 | 30.66 | 7.0 | 0.76 | 4.53 | 3.86 | 0.55 | 42.47 |
| 5.414 | 30.66 | 7.0 | 0.69 | 4.53 | 3.84 | 0.61 | 42.47 |
| 5.415 | 30.66 | 7.0 | 0.61 | 4.53 | 3.86 | 0.56 | 42.47 |
| 5.419 | 30.66 | 7.0 | 0.65 | 4.51 | 3.85 | 0.61 | 42.47 |
| 5.435 | 30.66 | 7.0 | 0.84 | 4.51 | 3.85 | 0.59 | 42.47 |
| 5.465 | 30.66 | 7.0 | 0.65 | 4.51 | 3.85 | 0.6 | 42.47 |
| 5.499 | 30.66 | 7.0 | 0.61 | 4.51 | 3.84 | 0.63 | 42.47 |
| 5.523 | 30.66 | 7.0 | 0.88 | 4.5 | 3.84 | 0.64 | 42.47 |
| 5.532 | 30.66 | 7.0 | 0.72 | 4.5 | 3.84 | 0.61 | 42.47 |
| 5.54 | 30.66 | 7.0 | 0.8 | 4.51 | 3.84 | 0.58 | 42.47 |
| 5.545 | 30.66 | 7.0 | 0.76 | 4.51 | 3.85 | 0.59 | 42.47 |
| 5.552 | 30.66 | 7.0 | 0.57 | 4.51 | 3.84 | 0.59 | 42.47 |
| 5.577 | 30.66 | 7.0 | 0.72 | 4.51 | 3.82 | 0.58 | 42.47 |
| 5.61 | 30.66 | 7.0 | 0.72 | 4.49 | 3.84 | 0.55 | 42.47 |
| 5.644 | 30.66 | 7.0 | 0.72 | 4.49 | 3.82 | 0.52 | 42.47 |
| 5.677 | 30.66 | 7.0 | 0.88 | 4.48 | 3.84 | 0.56 | 42.47 |
| 5.697 | 30.66 | 7.0 | 0.65 | 4.49 | 3.83 | 0.5 | 42.47 |
| 5.744 | 30.66 | 7.0 | 0.8 | 4.48 | 3.83 | 0.6 | 42.47 |
| 5.773 | 30.66 | 7.0 | 0.8 | 4.49 | 3.81 | 0.53 | 42.47 |
| 5.785 | 30.66 | 7.0 | 0.8 | 4.49 | 3.8 | 0.53 | 42.47 |
| 5.815 | 30.66 | 7.0 | 0.84 | 4.49 | 3.83 | 0.55 | 42.47 |
| 5.847 | 30.66 | 7.0 | 0.76 | 4.49 | 3.81 | 0.6 | 42.47 |
| 5.864 | 30.66 | 7.0 | 0.57 | 4.49 | 3.82 | 0.55 | 42.47 |
| 5.866 | 30.66 | 7.0 | 0.69 | 4.5 | 3.8 | 0.55 | 42.47 |
| 5.892 | 30.66 | 7.0 | 0.69 | 4.5 | 3.8 | 0.55 | 42.47 |
| 5.919 | 30.66 | 7.0 | 0.88 | 4.49 | 3.81 | 0.55 | 42.47 |
| 5.93 | 30.66 | 7.0 | 0.69 | 4.46 | 3.8 | 0.55 | 42.47 |
| 5.936 | 30.65 | 7.0 | 0.88 | 4.45 | 3.8 | 0.59 | 42.47 |
| 5.948 | 30.65 | 7.0 | 0.65 | 4.45 | 3.79 | 0.58 | 42.47 |
| 5.957 | 30.65 | 7.0 | 0.8 | 4.44 | 3.79 | 0.53 | 42.47 |
| 5.959 | 30.65 | 7.0 | 0.69 | 4.51 | 3.79 | 0.55 | 42.47 |
| 5.962 | 30.65 | 7.0 | 0.76 | 4.54 | 3.77 | 0.56 | 42.47 |
| 5.964 | 30.65 | 7.0 | 0.76 | 4.54 | 3.79 | 0.57 | 42.47 |
| 5.967 | 30.65 | 7.0 | 0.84 | 4.55 | 3.8 | 0.57 | 42.47 |

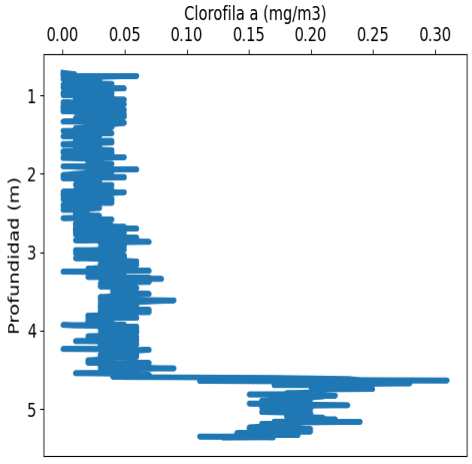
**Nombre: CTD E02 - Punto 002** **Fecha: 08/08/2022** **Hora: 06:08:18**

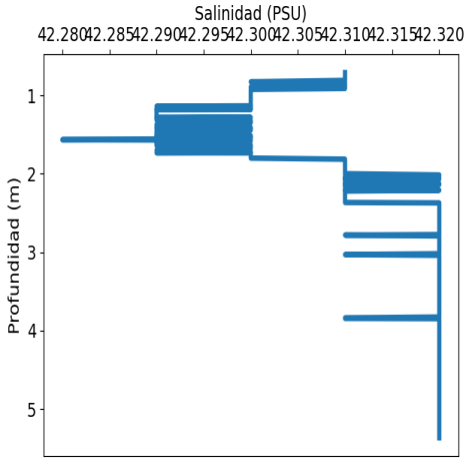


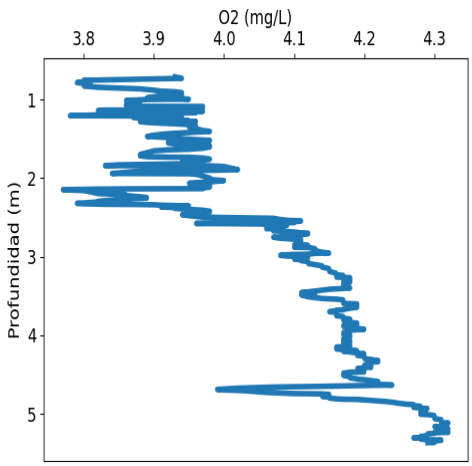



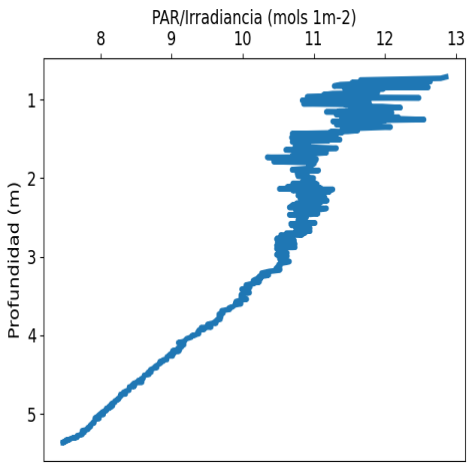




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.79 | 7.0 | 0.31 | 3.77 | 7.47 | 0.0 | 42.28 |
| **PROF (metros)** | 1.158 | 0.712 | 1.785 | 2.147 | 5.361 | 0.712 | 1.567 |
| **MÁXIMO** | 30.87 | 30.87 | 0.84 | 4.32 | 12.87 | 0.31 | 42.32 |
| **PROF (metros)** | 4.822 | 1.945 | 5.357 | 5.116 | 0.712 | 4.635 | 2.016 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E02 - Punto 002 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.8 | 7.0 | 0.53 | 3.89 | 11.73 | 0.02 | 42.3 |
| 1 - 2m | 30.81 | 7.0 | 0.55 | 3.92 | 11.27 | 0.02 | 42.3 |
| 2 - 3m | 30.84 | 7.01 | 0.57 | 4.0 | 10.79 | 0.03 | 42.32 |
| 3 - 4m | 30.86 | 7.01 | 0.58 | 4.16 | 9.95 | 0.04 | 42.32 |
| 4 - 5m | 30.86 | 7.01 | 0.58 | 4.19 | 8.64 | 0.11 | 42.32 |
| 5 - 6m | 30.86 | 7.01 | 0.57 | 4.3 | 7.74 | 0.17 | 42.32 |

| OBSERVACIONES GENERALES |
|---|
| HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m con los valores 3.89, 3.92 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) |
| 0.712 | 30.81 | 7.0 | 0.46 | 3.93 | 12.86 | 0.0 | 42.31 |
| 0.731 | 30.81 | 7.0 | 0.42 | 3.94 | 12.78 | 0.01 | 42.31 |
| 0.753 | 30.81 | 7.0 | 0.53 | 3.82 | 11.65 | 0.0 | 42.31 |
| 0.754 | 30.81 | 7.0 | 0.5 | 3.8 | 12.59 | 0.06 | 42.31 |
| 0.772 | 30.81 | 7.0 | 0.46 | 3.8 | 12.64 | 0.02 | 42.31 |
| 0.786 | 30.8 | 7.0 | 0.5 | 3.79 | 11.53 | 0.01 | 42.31 |
| 0.794 | 30.8 | 7.0 | 0.53 | 3.8 | 11.78 | 0.0 | 42.31 |
| 0.811 | 30.8 | 7.0 | 0.57 | 3.81 | 11.37 | 0.03 | 42.31 |
| 0.829 | 30.8 | 7.0 | 0.53 | 3.8 | 11.28 | 0.01 | 42.3 |
| 0.845 | 30.8 | 7.0 | 0.53 | 3.82 | 12.61 | 0.02 | 42.31 |
| 0.855 | 30.8 | 7.0 | 0.53 | 3.85 | 11.42 | 0.04 | 42.31 |
| 0.865 | 30.8 | 7.0 | 0.46 | 3.88 | 11.98 | 0.0 | 42.31 |
| 0.882 | 30.8 | 7.0 | 0.65 | 3.9 | 11.67 | 0.01 | 42.31 |
| 0.894 | 30.8 | 7.0 | 0.61 | 3.91 | 11.8 | 0.01 | 42.3 |
| 0.902 | 30.8 | 7.0 | 0.46 | 3.93 | 11.52 | 0.0 | 42.3 |
| 0.913 | 30.8 | 7.0 | 0.57 | 3.94 | 11.9 | 0.05 | 42.31 |
| 0.925 | 30.8 | 7.0 | 0.57 | 3.94 | 11.26 | 0.02 | 42.3 |
| 0.94 | 30.8 | 7.0 | 0.42 | 3.94 | 11.13 | 0.04 | 42.3 |
| 0.946 | 30.8 | 7.0 | 0.46 | 3.93 | 11.89 | 0.02 | 42.3 |
| 0.947 | 30.8 | 7.0 | 0.69 | 3.92 | 11.24 | 0.03 | 42.3 |
| 0.954 | 30.8 | 7.0 | 0.5 | 3.91 | 11.26 | 0.02 | 42.3 |
| 0.967 | 30.8 | 7.0 | 0.53 | 3.9 | 10.9 | 0.0 | 42.3 |
| 0.98 | 30.8 | 7.0 | 0.57 | 3.89 | 12.48 | 0.02 | 42.3 |
| 0.983 | 30.8 | 7.0 | 0.69 | 3.93 | 11.69 | 0.04 | 42.3 |
| 0.989 | 30.8 | 7.0 | 0.5 | 3.94 | 11.14 | 0.02 | 42.3 |
| 0.997 | 30.8 | 7.0 | 0.57 | 3.95 | 11.21 | 0.03 | 42.3 |
| 0.998 | 30.8 | 7.0 | 0.57 | 3.92 | 11.17 | 0.0 | 42.3 |
| 1.001 | 30.8 | 7.0 | 0.57 | 3.89 | 11.64 | 0.02 | 42.3 |
| 1.012 | 30.8 | 7.0 | 0.53 | 3.86 | 10.83 | 0.02 | 42.3 |
| 1.02 | 30.8 | 7.0 | 0.57 | 3.88 | 11.43 | 0.03 | 42.3 |
| 1.025 | 30.8 | 7.0 | 0.61 | 3.88 | 11.72 | 0.04 | 42.3 |
| 1.031 | 30.8 | 7.0 | 0.76 | 3.88 | 11.78 | 0.04 | 42.3 |
| 1.042 | 30.8 | 7.0 | 0.57 | 3.88 | 11.58 | 0.01 | 42.3 |
| 1.056 | 30.8 | 7.0 | 0.57 | 3.88 | 10.85 | 0.05 | 42.3 |

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|---|---|---|---|---|---|---|---|
| 1.065 | 30.8 | 7.0 | 0.5 | 3.88 | 11.72 | 0.01 | 42.3 |
| 1.066 | 30.8 | 7.0 | 0.65 | 3.86 | 11.79 | 0.02 | 42.3 |
| 1.068 | 30.8 | 7.0 | 0.61 | 3.86 | 11.44 | 0.02 | 42.3 |
| 1.075 | 30.8 | 7.0 | 0.53 | 3.86 | 11.72 | 0.02 | 42.3 |
| 1.087 | 30.8 | 7.0 | 0.53 | 3.87 | 11.68 | 0.02 | 42.3 |
| 1.088 | 30.8 | 7.0 | 0.53 | 3.95 | 11.51 | 0.03 | 42.3 |
| 1.089 | 30.8 | 7.0 | 0.46 | 3.97 | 11.96 | 0.0 | 42.3 |
| 1.104 | 30.8 | 7.0 | 0.57 | 3.97 | 12.22 | 0.01 | 42.3 |
| 1.115 | 30.8 | 7.0 | 0.69 | 3.92 | 11.52 | 0.05 | 42.3 |
| 1.122 | 30.8 | 7.0 | 0.53 | 3.92 | 11.67 | 0.03 | 42.3 |
| 1.134 | 30.8 | 7.0 | 0.57 | 3.92 | 11.58 | 0.01 | 42.3 |
| 1.135 | 30.8 | 7.0 | 0.46 | 3.83 | 11.64 | 0.03 | 42.3 |
| 1.141 | 30.8 | 7.0 | 0.65 | 3.82 | 11.66 | 0.0 | 42.29 |
| 1.148 | 30.8 | 7.0 | 0.53 | 3.96 | 11.35 | 0.03 | 42.3 |
| 1.152 | 30.8 | 7.0 | 0.5 | 3.97 | 11.34 | 0.0 | 42.3 |
| 1.155 | 30.8 | 7.0 | 0.53 | 3.96 | 11.58 | 0.01 | 42.3 |
| 1.158 | 30.79 | 7.0 | 0.46 | 3.96 | 11.17 | 0.02 | 42.3 |
| 1.164 | 30.79 | 7.0 | 0.46 | 3.96 | 11.6 | 0.0 | 42.3 |
| 1.169 | 30.79 | 7.0 | 0.57 | 3.96 | 12.1 | 0.02 | 42.3 |
| 1.171 | 30.8 | 7.0 | 0.65 | 3.94 | 11.5 | 0.02 | 42.3 |
| 1.175 | 30.8 | 7.0 | 0.53 | 3.93 | 11.83 | 0.02 | 42.29 |
| 1.182 | 30.8 | 7.0 | 0.5 | 3.92 | 11.79 | 0.01 | 42.3 |
| 1.185 | 30.8 | 7.0 | 0.5 | 3.88 | 11.71 | 0.05 | 42.29 |
| 1.187 | 30.8 | 7.0 | 0.69 | 3.87 | 11.49 | 0.03 | 42.29 |
| 1.188 | 30.8 | 7.0 | 0.61 | 3.87 | 11.66 | 0.03 | 42.29 |
| 1.189 | 30.8 | 7.0 | 0.53 | 3.86 | 11.72 | 0.0 | 42.29 |
| 1.194 | 30.8 | 7.0 | 0.57 | 3.83 | 11.31 | 0.01 | 42.29 |
| 1.201 | 30.8 | 7.0 | 0.57 | 3.8 | 11.7 | 0.01 | 42.29 |
| 1.207 | 30.8 | 7.0 | 0.53 | 3.78 | 11.41 | 0.0 | 42.29 |
| 1.208 | 30.8 | 7.0 | 0.57 | 3.85 | 11.44 | 0.01 | 42.29 |
| 1.211 | 30.8 | 7.0 | 0.46 | 3.9 | 11.54 | 0.02 | 42.29 |
| 1.215 | 30.8 | 7.0 | 0.57 | 3.92 | 11.68 | 0.01 | 42.29 |
| 1.221 | 30.8 | 7.0 | 0.5 | 3.94 | 11.38 | 0.04 | 42.29 |
| 1.225 | 30.79 | 7.0 | 0.61 | 3.87 | 12.19 | 0.03 | 42.29 |
| 1.239 | 30.8 | 7.0 | 0.46 | 3.88 | 11.99 | 0.05 | 42.29 |
| 1.256 | 30.8 | 7.0 | 0.53 | 3.92 | 12.55 | 0.02 | 42.29 |
| 1.266 | 30.8 | 7.0 | 0.57 | 3.94 | 11.8 | 0.03 | 42.29 |
| 1.271 | 30.8 | 7.0 | 0.53 | 3.95 | 12.0 | 0.04 | 42.29 |
| 1.275 | 30.8 | 7.0 | 0.57 | 3.93 | 11.92 | 0.05 | 42.29 |
| 1.279 | 30.79 | 7.0 | 0.53 | 3.95 | 11.26 | 0.02 | 42.29 |
| 1.28 | 30.79 | 7.0 | 0.46 | 3.96 | 11.63 | 0.04 | 42.29 |
| 1.282 | 30.79 | 7.0 | 0.53 | 3.88 | 11.55 | 0.04 | 42.3 |
| 1.292 | 30.8 | 7.0 | 0.5 | 3.89 | 11.46 | 0.01 | 42.29 |
| 1.305 | 30.8 | 7.0 | 0.46 | 3.92 | 11.83 | 0.01 | 42.29 |
| 1.314 | 30.8 | 7.0 | 0.57 | 3.94 | 11.38 | 0.04 | 42.29 |
| 1.32 | 30.79 | 7.0 | 0.57 | 3.95 | 11.31 | 0.04 | 42.3 |
| 1.33 | 30.79 | 7.0 | 0.5 | 3.95 | 11.83 | 0.01 | 42.3 |
| 1.336 | 30.8 | 7.0 | 0.53 | 3.96 | 11.78 | 0.0 | 42.3 |
| 1.351 | 30.8 | 7.0 | 0.65 | 3.95 | 12.08 | 0.05 | 42.3 |
| 1.373 | 30.8 | 7.0 | 0.53 | 3.96 | 11.39 | 0.04 | 42.29 |
| 1.394 | 30.8 | 7.0 | 0.5 | 3.97 | 11.62 | 0.02 | 42.29 |
| 1.406 | 30.8 | 7.0 | 0.5 | 3.98 | 11.48 | 0.04 | 42.29 |
| 1.411 | 30.8 | 7.0 | 0.5 | 3.97 | 11.23 | 0.02 | 42.3 |
| 1.42 | 30.8 | 7.0 | 0.61 | 3.95 | 11.4 | 0.01 | 42.3 |
| 1.426 | 30.8 | 7.0 | 0.46 | 3.94 | 11.18 | 0.02 | 42.29 |
| 1.435 | 30.8 | 7.0 | 0.53 | 3.92 | 10.69 | 0.02 | 42.3 |
| 1.445 | 30.8 | 7.0 | 0.34 | 3.91 | 11.13 | 0.03 | 42.3 |
| 1.454 | 30.8 | 7.0 | 0.61 | 3.9 | 11.32 | 0.0 | 42.29 |

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|---|---|---|---|---|---|---|---|
| 1.47 | 30.8 | 7.0 | 0.53 | 3.89 | 11.0 | 0.01 | 42.29 |
| 1.484 | 30.8 | 7.0 | 0.61 | 3.92 | 10.68 | 0.04 | 42.29 |
| 1.499 | 30.8 | 7.0 | 0.57 | 3.94 | 11.09 | 0.01 | 42.29 |
| 1.511 | 30.81 | 7.0 | 0.53 | 3.96 | 11.37 | 0.03 | 42.29 |
| 1.514 | 30.81 | 7.0 | 0.57 | 3.97 | 11.2 | 0.01 | 42.29 |
| 1.515 | 30.81 | 7.0 | 0.53 | 3.97 | 10.95 | 0.01 | 42.3 |
| 1.52 | 30.81 | 7.0 | 0.53 | 3.98 | 11.01 | 0.02 | 42.3 |
| 1.521 | 30.81 | 7.0 | 0.46 | 3.97 | 11.0 | 0.03 | 42.29 |
| 1.523 | 30.81 | 7.0 | 0.61 | 3.97 | 11.21 | 0.0 | 42.29 |
| 1.526 | 30.81 | 7.0 | 0.61 | 3.96 | 11.16 | 0.02 | 42.29 |
| 1.532 | 30.81 | 7.0 | 0.53 | 3.96 | 10.95 | 0.02 | 42.3 |
| 1.539 | 30.81 | 7.0 | 0.53 | 3.92 | 10.69 | 0.01 | 42.3 |
| 1.552 | 30.82 | 7.0 | 0.53 | 3.92 | 10.91 | 0.02 | 42.3 |
| 1.567 | 30.82 | 7.0 | 0.65 | 3.93 | 10.87 | 0.02 | 42.28 |
| 1.57 | 30.82 | 7.0 | 0.57 | 3.94 | 10.93 | 0.01 | 42.29 |
| 1.577 | 30.82 | 7.0 | 0.53 | 3.96 | 10.89 | 0.01 | 42.3 |
| 1.581 | 30.82 | 7.0 | 0.69 | 3.97 | 10.89 | 0.04 | 42.3 |
| 1.588 | 30.82 | 7.0 | 0.53 | 3.98 | 10.73 | 0.02 | 42.29 |
| 1.604 | 30.82 | 7.0 | 0.57 | 3.98 | 10.86 | 0.04 | 42.29 |
| 1.62 | 30.83 | 7.0 | 0.72 | 3.97 | 11.32 | 0.0 | 42.29 |
| 1.633 | 30.83 | 7.0 | 0.53 | 3.95 | 11.07 | 0.0 | 42.3 |
| 1.641 | 30.83 | 7.0 | 0.38 | 3.92 | 10.6 | 0.03 | 42.29 |
| 1.653 | 30.83 | 7.0 | 0.61 | 3.9 | 10.83 | 0.02 | 42.3 |
| 1.677 | 30.83 | 7.0 | 0.65 | 3.89 | 11.18 | 0.01 | 42.3 |
| 1.699 | 30.83 | 7.0 | 0.65 | 3.88 | 10.84 | 0.04 | 42.29 |
| 1.716 | 30.83 | 7.0 | 0.61 | 3.88 | 10.69 | 0.0 | 42.3 |
| 1.728 | 30.83 | 7.0 | 0.38 | 3.89 | 10.7 | 0.01 | 42.3 |
| 1.733 | 30.83 | 7.0 | 0.57 | 3.92 | 10.98 | 0.0 | 42.29 |
| 1.735 | 30.83 | 7.0 | 0.53 | 3.95 | 10.34 | 0.04 | 42.3 |
| 1.744 | 30.83 | 7.0 | 0.46 | 3.97 | 10.54 | 0.01 | 42.3 |
| 1.759 | 30.83 | 7.0 | 0.46 | 3.98 | 11.04 | 0.03 | 42.3 |
| 1.776 | 30.83 | 7.0 | 0.65 | 3.97 | 11.03 | 0.03 | 42.3 |
| 1.785 | 30.83 | 7.0 | 0.3 | 3.96 | 10.65 | 0.01 | 42.3 |
| 1.79 | 30.83 | 7.0 | 0.61 | 3.95 | 10.43 | 0.05 | 42.3 |
| 1.794 | 30.84 | 7.0 | 0.65 | 3.94 | 10.57 | 0.0 | 42.3 |
| 1.801 | 30.84 | 7.0 | 0.53 | 3.95 | 10.89 | 0.0 | 42.3 |
| 1.815 | 30.84 | 7.0 | 0.65 | 3.96 | 11.01 | 0.03 | 42.31 |
| 1.831 | 30.83 | 7.0 | 0.57 | 3.85 | 10.92 | 0.02 | 42.31 |
| 1.842 | 30.83 | 7.0 | 0.53 | 3.83 | 10.96 | 0.03 | 42.31 |
| 1.844 | 30.83 | 7.0 | 0.65 | 3.98 | 10.93 | 0.03 | 42.31 |
| 1.853 | 30.83 | 7.0 | 0.46 | 4.0 | 10.92 | 0.02 | 42.31 |
| 1.874 | 30.83 | 7.0 | 0.69 | 4.01 | 10.97 | 0.04 | 42.31 |
| 1.892 | 30.83 | 7.0 | 0.46 | 4.02 | 10.69 | 0.02 | 42.31 |
| 1.895 | 30.83 | 7.0 | 0.65 | 4.01 | 10.69 | 0.03 | 42.31 |
| 1.901 | 30.83 | 7.0 | 0.61 | 3.98 | 10.76 | 0.03 | 42.31 |
| 1.902 | 30.84 | 7.0 | 0.57 | 3.94 | 11.07 | 0.03 | 42.31 |
| 1.906 | 30.84 | 7.0 | 0.53 | 3.9 | 11.01 | 0.0 | 42.31 |
| 1.919 | 30.84 | 7.0 | 0.65 | 3.87 | 10.82 | 0.02 | 42.31 |
| 1.933 | 30.84 | 7.0 | 0.57 | 3.85 | 10.84 | 0.02 | 42.31 |
| 1.941 | 30.84 | 7.0 | 0.53 | 3.84 | 10.83 | 0.02 | 42.31 |
| 1.945 | 30.84 | 7.01 | 0.57 | 3.95 | 10.76 | 0.06 | 42.31 |
| 1.951 | 30.84 | 7.01 | 0.57 | 3.96 | 10.91 | 0.02 | 42.31 |
| 1.975 | 30.84 | 7.0 | 0.61 | 3.97 | 10.77 | 0.04 | 42.31 |
| 2.0 | 30.83 | 7.0 | 0.53 | 3.98 | 11.0 | 0.01 | 42.31 |
| 2.016 | 30.83 | 7.0 | 0.72 | 3.98 | 10.95 | 0.0 | 42.32 |
| 2.025 | 30.83 | 7.0 | 0.61 | 3.99 | 10.9 | 0.01 | 42.32 |
| 2.032 | 30.83 | 7.0 | 0.61 | 4.0 | 10.88 | 0.0 | 42.31 |
| 2.04 | 30.83 | 7.0 | 0.5 | 3.99 | 10.94 | 0.05 | 42.31 |

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|---|---|---|---|---|---|---|---|
| 2.049 | 30.83 | 7.0 | 0.65 | 3.98 | 10.83 | 0.05 | 42.32 |
| 2.058 | 30.84 | 7.0 | 0.57 | 3.96 | 11.0 | 0.0 | 42.31 |
| 2.064 | 30.84 | 7.0 | 0.46 | 3.95 | 11.02 | 0.03 | 42.31 |
| 2.068 | 30.84 | 7.01 | 0.61 | 3.95 | 10.7 | 0.02 | 42.32 |
| 2.077 | 30.84 | 7.01 | 0.5 | 3.96 | 11.05 | 0.01 | 42.31 |
| 2.094 | 30.84 | 7.01 | 0.57 | 3.98 | 10.74 | 0.03 | 42.31 |
| 2.113 | 30.84 | 7.01 | 0.57 | 3.98 | 10.62 | 0.02 | 42.31 |
| 2.127 | 30.84 | 7.01 | 0.57 | 3.97 | 11.1 | 0.02 | 42.32 |
| 2.134 | 30.84 | 7.01 | 0.65 | 3.97 | 10.88 | 0.03 | 42.31 |
| 2.137 | 30.84 | 7.01 | 0.61 | 3.86 | 10.51 | 0.02 | 42.32 |
| 2.14 | 30.84 | 7.01 | 0.53 | 3.82 | 10.68 | 0.01 | 42.31 |
| 2.144 | 30.84 | 7.01 | 0.57 | 3.79 | 11.27 | 0.04 | 42.31 |
| 2.147 | 30.85 | 7.01 | 0.57 | 3.77 | 11.0 | 0.03 | 42.31 |
| 2.151 | 30.85 | 7.01 | 0.61 | 3.78 | 10.72 | 0.03 | 42.31 |
| 2.159 | 30.85 | 7.01 | 0.5 | 3.8 | 10.7 | 0.02 | 42.31 |
| 2.176 | 30.84 | 7.01 | 0.53 | 3.81 | 11.22 | 0.02 | 42.31 |
| 2.197 | 30.84 | 7.01 | 0.65 | 3.82 | 10.95 | 0.04 | 42.31 |
| 2.204 | 30.84 | 7.01 | 0.53 | 3.84 | 10.99 | 0.01 | 42.31 |
| 2.21 | 30.84 | 7.01 | 0.65 | 3.86 | 10.83 | 0.01 | 42.32 |
| 2.221 | 30.84 | 7.01 | 0.46 | 3.86 | 10.77 | 0.03 | 42.31 |
| 2.23 | 30.84 | 7.01 | 0.65 | 3.87 | 10.88 | 0.0 | 42.31 |
| 2.237 | 30.84 | 7.01 | 0.57 | 3.88 | 11.11 | 0.05 | 42.31 |
| 2.248 | 30.84 | 7.01 | 0.57 | 3.89 | 11.16 | 0.04 | 42.31 |
| 2.255 | 30.84 | 7.01 | 0.5 | 3.89 | 10.93 | 0.02 | 42.31 |
| 2.261 | 30.84 | 7.01 | 0.57 | 3.87 | 10.8 | 0.0 | 42.31 |
| 2.274 | 30.84 | 7.01 | 0.61 | 3.85 | 10.83 | 0.0 | 42.31 |
| 2.286 | 30.84 | 7.01 | 0.65 | 3.83 | 11.19 | 0.03 | 42.31 |
| 2.295 | 30.84 | 7.01 | 0.5 | 3.82 | 10.93 | 0.01 | 42.31 |
| 2.303 | 30.84 | 7.01 | 0.57 | 3.82 | 10.82 | 0.01 | 42.31 |
| 2.31 | 30.84 | 7.01 | 0.61 | 3.81 | 11.1 | 0.01 | 42.31 |
| 2.316 | 30.85 | 7.01 | 0.42 | 3.8 | 10.91 | 0.04 | 42.31 |
| 2.321 | 30.85 | 7.01 | 0.57 | 3.79 | 10.75 | 0.02 | 42.31 |
| 2.327 | 30.85 | 7.01 | 0.38 | 3.8 | 10.79 | 0.0 | 42.31 |
| 2.333 | 30.85 | 7.01 | 0.53 | 3.83 | 10.99 | 0.03 | 42.31 |
| 2.336 | 30.85 | 7.01 | 0.61 | 3.88 | 10.93 | 0.04 | 42.31 |
| 2.339 | 30.85 | 7.01 | 0.65 | 3.9 | 10.7 | 0.02 | 42.31 |
| 2.345 | 30.85 | 7.01 | 0.5 | 3.91 | 10.86 | 0.03 | 42.31 |
| 2.354 | 30.85 | 7.01 | 0.61 | 3.95 | 10.68 | 0.04 | 42.31 |
| 2.359 | 30.85 | 7.01 | 0.57 | 3.94 | 10.98 | 0.01 | 42.31 |
| 2.367 | 30.85 | 7.01 | 0.57 | 3.91 | 11.02 | 0.02 | 42.31 |
| 2.372 | 30.84 | 7.01 | 0.5 | 3.92 | 10.65 | 0.04 | 42.32 |
| 2.376 | 30.84 | 7.01 | 0.53 | 3.93 | 10.75 | 0.01 | 42.32 |
| 2.385 | 30.84 | 7.01 | 0.69 | 3.93 | 11.18 | 0.02 | 42.32 |
| 2.398 | 30.84 | 7.01 | 0.69 | 3.95 | 11.1 | 0.0 | 42.32 |
| 2.409 | 30.84 | 7.01 | 0.53 | 3.97 | 10.82 | 0.0 | 42.32 |
| 2.421 | 30.84 | 7.01 | 0.72 | 3.98 | 10.74 | 0.02 | 42.32 |
| 2.429 | 30.84 | 7.01 | 0.61 | 3.98 | 10.8 | 0.03 | 42.32 |
| 2.439 | 30.84 | 7.01 | 0.65 | 3.97 | 10.93 | 0.03 | 42.32 |
| 2.452 | 30.84 | 7.01 | 0.53 | 3.96 | 11.06 | 0.02 | 42.32 |
| 2.461 | 30.84 | 7.01 | 0.34 | 3.95 | 10.95 | 0.0 | 42.32 |
| 2.466 | 30.84 | 7.01 | 0.61 | 3.94 | 10.65 | 0.02 | 42.32 |
| 2.478 | 30.84 | 7.01 | 0.65 | 3.95 | 10.8 | 0.01 | 42.32 |
| 2.497 | 30.84 | 7.01 | 0.65 | 3.97 | 10.9 | 0.01 | 42.32 |
| 2.511 | 30.83 | 7.0 | 0.46 | 4.07 | 10.88 | 0.01 | 42.32 |
| 2.526 | 30.83 | 7.0 | 0.61 | 4.08 | 10.8 | 0.02 | 42.32 |
| 2.537 | 30.83 | 7.0 | 0.69 | 4.09 | 10.77 | 0.03 | 42.32 |
| 2.545 | 30.83 | 7.0 | 0.5 | 4.11 | 10.87 | 0.02 | 42.32 |
| 2.555 | 30.83 | 7.01 | 0.57 | 4.1 | 10.85 | 0.02 | 42.32 |

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| 2.566 | 30.83 | 7.01 | 0.65 | 4.1 | 10.9 | 0.0 | 42.32 |
| 2.571 | 30.84 | 7.01 | 0.57 | 3.99 | 11.02 | 0.03 | 42.32 |
| 2.577 | 30.84 | 7.01 | 0.61 | 3.96 | 10.96 | 0.02 | 42.32 |
| 2.581 | 30.84 | 7.01 | 0.65 | 4.03 | 10.67 | 0.03 | 42.32 |
| 2.583 | 30.84 | 7.01 | 0.61 | 4.05 | 10.74 | 0.04 | 42.32 |
| 2.596 | 30.84 | 7.01 | 0.46 | 4.09 | 10.68 | 0.03 | 42.32 |
| 2.601 | 30.84 | 7.01 | 0.5 | 4.09 | 10.68 | 0.02 | 42.32 |
| 2.619 | 30.84 | 7.01 | 0.5 | 4.08 | 10.93 | 0.03 | 42.32 |
| 2.637 | 30.84 | 7.01 | 0.53 | 4.06 | 10.95 | 0.01 | 42.32 |
| 2.643 | 30.85 | 7.01 | 0.5 | 4.06 | 10.8 | 0.03 | 42.32 |
| 2.644 | 30.85 | 7.01 | 0.46 | 4.07 | 10.74 | 0.01 | 42.32 |
| 2.652 | 30.85 | 7.01 | 0.57 | 4.07 | 10.88 | 0.02 | 42.32 |
| 2.66 | 30.85 | 7.01 | 0.5 | 4.07 | 10.79 | 0.04 | 42.32 |
| 2.668 | 30.85 | 7.01 | 0.57 | 4.07 | 10.77 | 0.04 | 42.32 |
| 2.67 | 30.85 | 7.01 | 0.76 | 4.07 | 10.86 | 0.03 | 42.32 |
| 2.675 | 30.85 | 7.01 | 0.57 | 4.08 | 10.95 | 0.02 | 42.32 |
| 2.677 | 30.85 | 7.01 | 0.61 | 4.08 | 10.88 | 0.05 | 42.32 |
| 2.68 | 30.85 | 7.01 | 0.46 | 4.09 | 10.74 | 0.04 | 42.32 |
| 2.686 | 30.85 | 7.01 | 0.65 | 4.1 | 10.74 | 0.01 | 42.32 |
| 2.697 | 30.85 | 7.01 | 0.57 | 4.11 | 10.88 | 0.04 | 42.32 |
| 2.7 | 30.85 | 7.01 | 0.5 | 4.12 | 10.61 | 0.06 | 42.32 |
| 2.709 | 30.85 | 7.01 | 0.69 | 4.12 | 10.61 | 0.01 | 42.32 |
| 2.72 | 30.85 | 7.01 | 0.53 | 4.11 | 10.84 | 0.01 | 42.32 |
| 2.722 | 30.85 | 7.01 | 0.61 | 4.1 | 10.8 | 0.01 | 42.32 |
| 2.724 | 30.85 | 7.01 | 0.72 | 4.1 | 10.53 | 0.03 | 42.32 |
| 2.731 | 30.85 | 7.01 | 0.5 | 4.11 | 10.53 | 0.01 | 42.32 |
| 2.742 | 30.85 | 7.01 | 0.57 | 4.1 | 10.63 | 0.01 | 42.32 |
| 2.746 | 30.85 | 7.01 | 0.42 | 4.09 | 10.59 | 0.05 | 42.32 |
| 2.752 | 30.85 | 7.01 | 0.57 | 4.07 | 10.65 | 0.05 | 42.32 |
| 2.765 | 30.85 | 7.01 | 0.61 | 4.08 | 10.48 | 0.02 | 42.32 |
| 2.776 | 30.85 | 7.01 | 0.61 | 4.1 | 10.47 | 0.01 | 42.32 |
| 2.782 | 30.85 | 7.01 | 0.61 | 4.11 | 10.7 | 0.04 | 42.31 |
| 2.793 | 30.85 | 7.01 | 0.57 | 4.11 | 10.73 | 0.03 | 42.32 |
| 2.806 | 30.85 | 7.01 | 0.53 | 4.11 | 10.68 | 0.03 | 42.32 |
| 2.815 | 30.85 | 7.01 | 0.65 | 4.11 | 10.48 | 0.06 | 42.32 |
| 2.824 | 30.85 | 7.01 | 0.53 | 4.11 | 10.58 | 0.02 | 42.32 |
| 2.831 | 30.85 | 7.01 | 0.42 | 4.11 | 10.52 | 0.04 | 42.32 |
| 2.839 | 30.85 | 7.01 | 0.61 | 4.11 | 10.74 | 0.03 | 42.32 |
| 2.849 | 30.85 | 7.01 | 0.53 | 4.1 | 10.64 | 0.01 | 42.32 |
| 2.857 | 30.85 | 7.01 | 0.57 | 4.12 | 10.47 | 0.05 | 42.32 |
| 2.859 | 30.85 | 7.01 | 0.65 | 4.11 | 10.56 | 0.05 | 42.32 |
| 2.869 | 30.85 | 7.01 | 0.57 | 4.1 | 10.64 | 0.07 | 42.32 |
| 2.88 | 30.85 | 7.01 | 0.57 | 4.1 | 10.74 | 0.03 | 42.32 |
| 2.882 | 30.85 | 7.01 | 0.61 | 4.11 | 10.7 | 0.03 | 42.32 |
| 2.883 | 30.85 | 7.01 | 0.69 | 4.12 | 10.49 | 0.03 | 42.32 |
| 2.898 | 30.85 | 7.01 | 0.61 | 4.13 | 10.47 | 0.04 | 42.32 |
| 2.924 | 30.85 | 7.01 | 0.53 | 4.13 | 10.54 | 0.05 | 42.32 |
| 2.943 | 30.85 | 7.01 | 0.5 | 4.14 | 10.59 | 0.03 | 42.32 |
| 2.954 | 30.85 | 7.01 | 0.5 | 4.15 | 10.63 | 0.03 | 42.32 |
| 2.955 | 30.85 | 7.01 | 0.72 | 4.14 | 10.49 | 0.03 | 42.32 |
| 2.958 | 30.85 | 7.01 | 0.72 | 4.13 | 10.56 | 0.03 | 42.32 |
| 2.968 | 30.85 | 7.01 | 0.69 | 4.12 | 10.54 | 0.05 | 42.32 |
| 2.974 | 30.85 | 7.01 | 0.65 | 4.09 | 10.47 | 0.01 | 42.32 |
| 2.983 | 30.85 | 7.01 | 0.53 | 4.08 | 10.52 | 0.04 | 42.32 |
| 2.992 | 30.86 | 7.01 | 0.5 | 4.09 | 10.63 | 0.04 | 42.32 |
| 2.999 | 30.86 | 7.01 | 0.61 | 4.11 | 10.59 | 0.03 | 42.32 |
| 3.006 | 30.86 | 7.01 | 0.5 | 4.12 | 10.54 | 0.03 | 42.32 |
| 3.012 | 30.86 | 7.01 | 0.5 | 4.12 | 10.54 | 0.01 | 42.32 |

| 3.02 | 30.86 | 7.01 | 0.57 | 4.11 | 10.51 | 0.03 | 42.32 |
|---|---|---|---|---|---|---|---|
| 3.031 | 30.86 | 7.01 | 0.61 | 4.1 | 10.54 | 0.02 | 42.31 |
| 3.04 | 30.85 | 7.01 | 0.61 | 4.11 | 10.52 | 0.05 | 42.32 |
| 3.051 | 30.85 | 7.01 | 0.65 | 4.11 | 10.56 | 0.04 | 42.32 |
| 3.061 | 30.85 | 7.01 | 0.61 | 4.12 | 10.66 | 0.05 | 42.32 |
| 3.071 | 30.85 | 7.01 | 0.69 | 4.12 | 10.62 | 0.02 | 42.32 |
| 3.077 | 30.85 | 7.01 | 0.53 | 4.12 | 10.58 | 0.01 | 42.32 |
| 3.087 | 30.85 | 7.01 | 0.53 | 4.12 | 10.53 | 0.03 | 42.32 |
| 3.101 | 30.85 | 7.01 | 0.53 | 4.13 | 10.5 | 0.04 | 42.32 |
| 3.117 | 30.85 | 7.01 | 0.53 | 4.14 | 10.53 | 0.06 | 42.32 |
| 3.134 | 30.85 | 7.01 | 0.65 | 4.14 | 10.48 | 0.05 | 42.32 |
| 3.151 | 30.85 | 7.01 | 0.61 | 4.15 | 10.46 | 0.03 | 42.32 |
| 3.159 | 30.85 | 7.01 | 0.65 | 4.15 | 10.48 | 0.03 | 42.32 |
| 3.162 | 30.85 | 7.01 | 0.53 | 4.15 | 10.53 | 0.06 | 42.32 |
| 3.171 | 30.85 | 7.01 | 0.57 | 4.15 | 10.52 | 0.04 | 42.32 |
| 3.187 | 30.85 | 7.01 | 0.53 | 4.15 | 10.37 | 0.04 | 42.32 |
| 3.21 | 30.86 | 7.01 | 0.61 | 4.16 | 10.26 | 0.02 | 42.32 |
| 3.226 | 30.86 | 7.01 | 0.5 | 4.16 | 10.26 | 0.06 | 42.32 |
| 3.231 | 30.86 | 7.01 | 0.69 | 4.16 | 10.37 | 0.04 | 42.32 |
| 3.238 | 30.86 | 7.01 | 0.46 | 4.17 | 10.35 | 0.07 | 42.32 |
| 3.245 | 30.86 | 7.01 | 0.69 | 4.17 | 10.3 | 0.02 | 42.32 |
| 3.249 | 30.86 | 7.01 | 0.65 | 4.17 | 10.23 | 0.0 | 42.32 |
| 3.251 | 30.86 | 7.01 | 0.69 | 4.16 | 10.23 | 0.01 | 42.32 |
| 3.259 | 30.86 | 7.01 | 0.61 | 4.16 | 10.27 | 0.05 | 42.32 |
| 3.267 | 30.86 | 7.01 | 0.65 | 4.18 | 10.21 | 0.03 | 42.32 |
| 3.275 | 30.86 | 7.01 | 0.5 | 4.18 | 10.26 | 0.03 | 42.32 |
| 3.291 | 30.86 | 7.01 | 0.61 | 4.17 | 10.17 | 0.03 | 42.32 |
| 3.307 | 30.86 | 7.01 | 0.57 | 4.18 | 10.14 | 0.05 | 42.32 |
| 3.317 | 30.86 | 7.01 | 0.46 | 4.18 | 10.24 | 0.02 | 42.32 |
| 3.325 | 30.86 | 7.01 | 0.61 | 4.18 | 10.23 | 0.07 | 42.32 |
| 3.331 | 30.86 | 7.01 | 0.53 | 4.17 | 10.16 | 0.03 | 42.32 |
| 3.341 | 30.86 | 7.01 | 0.65 | 4.17 | 10.16 | 0.08 | 42.32 |
| 3.349 | 30.86 | 7.01 | 0.57 | 4.17 | 10.1 | 0.05 | 42.32 |
| 3.361 | 30.86 | 7.01 | 0.53 | 4.17 | 10.04 | 0.04 | 42.32 |
| 3.38 | 30.86 | 7.01 | 0.65 | 4.17 | 10.11 | 0.07 | 42.32 |
| 3.398 | 30.86 | 7.01 | 0.3 | 4.18 | 10.1 | 0.03 | 42.32 |
| 3.404 | 30.86 | 7.01 | 0.61 | 4.17 | 10.03 | 0.04 | 42.32 |
| 3.414 | 30.86 | 7.01 | 0.57 | 4.15 | 9.98 | 0.05 | 42.32 |
| 3.437 | 30.86 | 7.01 | 0.53 | 4.13 | 10.05 | 0.03 | 42.32 |
| 3.457 | 30.86 | 7.01 | 0.61 | 4.11 | 10.1 | 0.06 | 42.32 |
| 3.462 | 30.86 | 7.01 | 0.46 | 4.12 | 10.08 | 0.05 | 42.32 |
| 3.469 | 30.86 | 7.01 | 0.57 | 4.13 | 10.01 | 0.04 | 42.32 |
| 3.485 | 30.86 | 7.01 | 0.65 | 4.11 | 9.97 | 0.04 | 42.32 |
| 3.51 | 30.86 | 7.01 | 0.65 | 4.12 | 9.97 | 0.04 | 42.32 |
| 3.532 | 30.86 | 7.01 | 0.76 | 4.14 | 9.99 | 0.07 | 42.32 |
| 3.54 | 30.86 | 7.01 | 0.53 | 4.16 | 10.06 | 0.05 | 42.32 |
| 3.549 | 30.86 | 7.01 | 0.46 | 4.17 | 9.99 | 0.05 | 42.32 |
| 3.571 | 30.86 | 7.01 | 0.61 | 4.17 | 9.9 | 0.03 | 42.32 |
| 3.592 | 30.86 | 7.01 | 0.57 | 4.17 | 9.89 | 0.04 | 42.32 |
| 3.598 | 30.86 | 7.01 | 0.53 | 4.18 | 9.98 | 0.04 | 42.32 |
| 3.6 | 30.86 | 7.01 | 0.61 | 4.19 | 9.96 | 0.03 | 42.32 |
| 3.614 | 30.86 | 7.01 | 0.69 | 4.19 | 9.89 | 0.09 | 42.32 |
| 3.638 | 30.86 | 7.01 | 0.57 | 4.18 | 9.86 | 0.06 | 42.32 |
| 3.641 | 30.86 | 7.01 | 0.61 | 4.19 | 9.85 | 0.03 | 42.32 |
| 3.642 | 30.86 | 7.01 | 0.57 | 4.19 | 9.83 | 0.06 | 42.32 |
| 3.655 | 30.86 | 7.01 | 0.65 | 4.18 | 9.8 | 0.04 | 42.32 |
| 3.67 | 30.86 | 7.01 | 0.53 | 4.17 | 9.82 | 0.06 | 42.32 |
| 3.676 | 30.86 | 7.01 | 0.5 | 4.17 | 9.77 | 0.06 | 42.32 |

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|---|---|---|---|---|---|---|---|
| 3.68 | 30.86 | 7.01 | 0.57 | 4.16 | 9.75 | 0.03 | 42.32 |
| 3.688 | 30.86 | 7.01 | 0.57 | 4.16 | 9.7 | 0.03 | 42.32 |
| 3.7 | 30.86 | 7.01 | 0.53 | 4.15 | 9.73 | 0.05 | 42.32 |
| 3.706 | 30.86 | 7.01 | 0.57 | 4.16 | 9.73 | 0.05 | 42.32 |
| 3.711 | 30.86 | 7.01 | 0.69 | 4.16 | 9.69 | 0.03 | 42.32 |
| 3.718 | 30.86 | 7.01 | 0.61 | 4.16 | 9.73 | 0.03 | 42.32 |
| 3.733 | 30.86 | 7.01 | 0.5 | 4.16 | 9.66 | 0.07 | 42.32 |
| 3.751 | 30.86 | 7.01 | 0.57 | 4.16 | 9.67 | 0.03 | 42.32 |
| 3.762 | 30.86 | 7.01 | 0.57 | 4.17 | 9.7 | 0.06 | 42.32 |
| 3.764 | 30.86 | 7.01 | 0.61 | 4.17 | 9.7 | 0.07 | 42.32 |
| 3.772 | 30.86 | 7.01 | 0.57 | 4.17 | 9.66 | 0.05 | 42.32 |
| 3.784 | 30.86 | 7.01 | 0.57 | 4.17 | 9.67 | 0.03 | 42.32 |
| 3.793 | 30.86 | 7.01 | 0.5 | 4.18 | 9.69 | 0.04 | 42.32 |
| 3.795 | 30.86 | 7.01 | 0.57 | 4.18 | 9.69 | 0.04 | 42.32 |
| 3.8 | 30.86 | 7.01 | 0.69 | 4.17 | 9.64 | 0.04 | 42.32 |
| 3.807 | 30.86 | 7.01 | 0.53 | 4.17 | 9.65 | 0.02 | 42.32 |
| 3.815 | 30.86 | 7.01 | 0.53 | 4.18 | 9.62 | 0.02 | 42.32 |
| 3.827 | 30.86 | 7.01 | 0.61 | 4.18 | 9.61 | 0.03 | 42.32 |
| 3.838 | 30.86 | 7.01 | 0.57 | 4.18 | 9.59 | 0.06 | 42.31 |
| 3.844 | 30.86 | 7.01 | 0.53 | 4.19 | 9.63 | 0.02 | 42.31 |
| 3.847 | 30.86 | 7.01 | 0.53 | 4.19 | 9.58 | 0.03 | 42.32 |
| 3.851 | 30.86 | 7.01 | 0.61 | 4.19 | 9.55 | 0.03 | 42.32 |
| 3.863 | 30.86 | 7.01 | 0.57 | 4.19 | 9.5 | 0.03 | 42.32 |
| 3.876 | 30.86 | 7.01 | 0.57 | 4.17 | 9.54 | 0.02 | 42.32 |
| 3.887 | 30.86 | 7.01 | 0.65 | 4.17 | 9.51 | 0.04 | 42.32 |
| 3.891 | 30.86 | 7.01 | 0.65 | 4.18 | 9.54 | 0.02 | 42.32 |
| 3.894 | 30.86 | 7.01 | 0.46 | 4.19 | 9.56 | 0.03 | 42.32 |
| 3.897 | 30.86 | 7.01 | 0.46 | 4.19 | 9.49 | 0.04 | 42.32 |
| 3.904 | 30.86 | 7.01 | 0.57 | 4.19 | 9.41 | 0.03 | 42.32 |
| 3.914 | 30.86 | 7.01 | 0.57 | 4.19 | 9.47 | 0.04 | 42.32 |
| 3.921 | 30.86 | 7.01 | 0.61 | 4.2 | 9.44 | 0.03 | 42.32 |
| 3.924 | 30.86 | 7.01 | 0.72 | 4.2 | 9.46 | 0.05 | 42.32 |
| 3.926 | 30.86 | 7.01 | 0.61 | 4.19 | 9.43 | 0.05 | 42.32 |
| 3.928 | 30.86 | 7.01 | 0.61 | 4.19 | 9.43 | 0.0 | 42.32 |
| 3.936 | 30.86 | 7.01 | 0.57 | 4.18 | 9.38 | 0.01 | 42.32 |
| 3.949 | 30.86 | 7.01 | 0.57 | 4.18 | 9.37 | 0.06 | 42.32 |
| 3.965 | 30.86 | 7.01 | 0.57 | 4.17 | 9.36 | 0.03 | 42.32 |
| 3.977 | 30.86 | 7.01 | 0.57 | 4.17 | 9.39 | 0.06 | 42.32 |
| 3.988 | 30.86 | 7.01 | 0.5 | 4.17 | 9.35 | 0.03 | 42.32 |
| 3.998 | 30.86 | 7.01 | 0.61 | 4.18 | 9.33 | 0.05 | 42.32 |
| 4.004 | 30.86 | 7.01 | 0.69 | 4.18 | 9.29 | 0.04 | 42.32 |
| 4.005 | 30.86 | 7.01 | 0.53 | 4.18 | 9.3 | 0.05 | 42.32 |
| 4.008 | 30.86 | 7.01 | 0.65 | 4.18 | 9.28 | 0.06 | 42.32 |
| 4.023 | 30.86 | 7.01 | 0.42 | 4.18 | 9.28 | 0.06 | 42.32 |
| 4.043 | 30.86 | 7.01 | 0.53 | 4.17 | 9.21 | 0.03 | 42.32 |
| 4.061 | 30.86 | 7.01 | 0.57 | 4.17 | 9.19 | 0.04 | 42.32 |
| 4.072 | 30.86 | 7.01 | 0.61 | 4.18 | 9.19 | 0.02 | 42.32 |
| 4.079 | 30.86 | 7.01 | 0.57 | 4.18 | 9.17 | 0.06 | 42.32 |
| 4.094 | 30.86 | 7.01 | 0.65 | 4.17 | 9.09 | 0.05 | 42.32 |
| 4.11 | 30.86 | 7.01 | 0.42 | 4.17 | 9.17 | 0.04 | 42.32 |
| 4.118 | 30.86 | 7.01 | 0.69 | 4.18 | 9.18 | 0.06 | 42.32 |
| 4.125 | 30.86 | 7.01 | 0.65 | 4.18 | 9.14 | 0.04 | 42.32 |
| 4.134 | 30.86 | 7.01 | 0.61 | 4.18 | 9.12 | 0.01 | 42.32 |
| 4.139 | 30.86 | 7.01 | 0.57 | 4.17 | 9.13 | 0.03 | 42.32 |
| 4.143 | 30.86 | 7.01 | 0.57 | 4.17 | 9.15 | 0.03 | 42.32 |
| 4.15 | 30.86 | 7.01 | 0.5 | 4.16 | 9.14 | 0.04 | 42.32 |
| 4.163 | 30.86 | 7.01 | 0.65 | 4.16 | 9.09 | 0.05 | 42.32 |
| 4.168 | 30.86 | 7.01 | 0.69 | 4.16 | 9.08 | 0.06 | 42.32 |

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| 4.173 | 30.86 | 7.01 | 0.61 | 4.16 | 9.09 | 0.06 | 42.32 |
| 4.183 | 30.86 | 7.01 | 0.53 | 4.17 | 9.12 | 0.03 | 42.32 |
| 4.198 | 30.86 | 7.01 | 0.57 | 4.19 | 9.01 | 0.05 | 42.32 |
| 4.2 | 30.86 | 7.01 | 0.5 | 4.17 | 9.11 | 0.03 | 42.32 |
| 4.203 | 30.86 | 7.01 | 0.5 | 4.17 | 9.07 | 0.04 | 42.32 |
| 4.212 | 30.86 | 7.01 | 0.57 | 4.18 | 9.02 | 0.04 | 42.32 |
| 4.225 | 30.86 | 7.01 | 0.57 | 4.19 | 9.01 | 0.04 | 42.32 |
| 4.23 | 30.86 | 7.01 | 0.69 | 4.19 | 9.04 | 0.04 | 42.32 |
| 4.235 | 30.86 | 7.01 | 0.65 | 4.2 | 8.99 | 0.0 | 42.32 |
| 4.245 | 30.86 | 7.01 | 0.5 | 4.19 | 8.97 | 0.07 | 42.32 |
| 4.257 | 30.86 | 7.01 | 0.61 | 4.19 | 8.97 | 0.06 | 42.32 |
| 4.261 | 30.86 | 7.01 | 0.65 | 4.2 | 9.02 | 0.05 | 42.32 |
| 4.263 | 30.86 | 7.01 | 0.69 | 4.2 | 8.96 | 0.05 | 42.32 |
| 4.276 | 30.86 | 7.01 | 0.65 | 4.2 | 8.93 | 0.06 | 42.32 |
| 4.296 | 30.86 | 7.01 | 0.65 | 4.2 | 8.93 | 0.04 | 42.32 |
| 4.308 | 30.86 | 7.01 | 0.5 | 4.21 | 8.94 | 0.03 | 42.32 |
| 4.311 | 30.86 | 7.01 | 0.5 | 4.21 | 8.89 | 0.06 | 42.32 |
| 4.319 | 30.86 | 7.01 | 0.57 | 4.22 | 8.87 | 0.03 | 42.32 |
| 4.328 | 30.86 | 7.01 | 0.5 | 4.22 | 8.89 | 0.03 | 42.32 |
| 4.331 | 30.86 | 7.01 | 0.57 | 4.22 | 8.87 | 0.06 | 42.32 |
| 4.336 | 30.86 | 7.01 | 0.61 | 4.22 | 8.83 | 0.04 | 42.32 |
| 4.341 | 30.86 | 7.01 | 0.61 | 4.21 | 8.86 | 0.04 | 42.32 |
| 4.354 | 30.86 | 7.01 | 0.72 | 4.21 | 8.85 | 0.04 | 42.32 |
| 4.378 | 30.86 | 7.01 | 0.61 | 4.2 | 8.8 | 0.02 | 42.32 |
| 4.401 | 30.86 | 7.01 | 0.69 | 4.21 | 8.76 | 0.04 | 42.32 |
| 4.408 | 30.86 | 7.01 | 0.61 | 4.21 | 8.8 | 0.02 | 42.32 |
| 4.409 | 30.86 | 7.01 | 0.65 | 4.2 | 8.77 | 0.05 | 42.32 |
| 4.412 | 30.86 | 7.01 | 0.42 | 4.2 | 8.78 | 0.07 | 42.32 |
| 4.422 | 30.86 | 7.01 | 0.5 | 4.19 | 8.74 | 0.04 | 42.32 |
| 4.438 | 30.86 | 7.01 | 0.69 | 4.2 | 8.7 | 0.05 | 42.32 |
| 4.455 | 30.86 | 7.01 | 0.46 | 4.19 | 8.69 | 0.03 | 42.32 |
| 4.466 | 30.86 | 7.01 | 0.72 | 4.2 | 8.72 | 0.03 | 42.32 |
| 4.467 | 30.86 | 7.01 | 0.61 | 4.19 | 8.72 | 0.05 | 42.32 |
| 4.469 | 30.86 | 7.01 | 0.57 | 4.18 | 8.67 | 0.06 | 42.32 |
| 4.481 | 30.86 | 7.01 | 0.76 | 4.17 | 8.66 | 0.09 | 42.32 |
| 4.495 | 30.86 | 7.01 | 0.57 | 4.17 | 8.69 | 0.04 | 42.32 |
| 4.51 | 30.86 | 7.01 | 0.57 | 4.17 | 8.61 | 0.03 | 42.32 |
| 4.527 | 30.86 | 7.01 | 0.65 | 4.18 | 8.61 | 0.06 | 42.32 |
| 4.543 | 30.86 | 7.01 | 0.65 | 4.18 | 8.61 | 0.01 | 42.32 |
| 4.554 | 30.86 | 7.01 | 0.76 | 4.19 | 8.57 | 0.06 | 42.32 |
| 4.558 | 30.86 | 7.01 | 0.61 | 4.19 | 8.6 | 0.04 | 42.32 |
| 4.564 | 30.86 | 7.01 | 0.42 | 4.2 | 8.59 | 0.07 | 42.32 |
| 4.575 | 30.86 | 7.01 | 0.72 | 4.21 | 8.53 | 0.06 | 42.32 |
| 4.587 | 30.86 | 7.01 | 0.57 | 4.22 | 8.52 | 0.04 | 42.32 |
| 4.593 | 30.86 | 7.01 | 0.46 | 4.22 | 8.54 | 0.05 | 42.32 |
| 4.595 | 30.86 | 7.01 | 0.57 | 4.21 | 8.59 | 0.09 | 42.32 |
| 4.601 | 30.86 | 7.01 | 0.57 | 4.21 | 8.5 | 0.17 | 42.32 |
| 4.615 | 30.86 | 7.01 | 0.61 | 4.21 | 8.46 | 0.23 | 42.32 |
| 4.629 | 30.86 | 7.01 | 0.65 | 4.23 | 8.47 | 0.24 | 42.32 |
| 4.633 | 30.86 | 7.01 | 0.57 | 4.24 | 8.49 | 0.28 | 42.32 |
| 4.635 | 30.86 | 7.01 | 0.46 | 4.22 | 8.44 | 0.31 | 42.32 |
| 4.642 | 30.86 | 7.01 | 0.5 | 4.18 | 8.46 | 0.11 | 42.32 |
| 4.65 | 30.86 | 7.01 | 0.65 | 4.13 | 8.48 | 0.2 | 42.32 |
| 4.658 | 30.86 | 7.01 | 0.53 | 4.07 | 8.4 | 0.21 | 42.32 |
| 4.672 | 30.86 | 7.01 | 0.61 | 4.02 | 8.41 | 0.28 | 42.32 |
| 4.688 | 30.86 | 7.01 | 0.61 | 3.99 | 8.4 | 0.22 | 42.32 |
| 4.695 | 30.86 | 7.01 | 0.5 | 4.0 | 8.41 | 0.17 | 42.32 |
| 4.697 | 30.86 | 7.01 | 0.5 | 4.01 | 8.41 | 0.21 | 42.32 |

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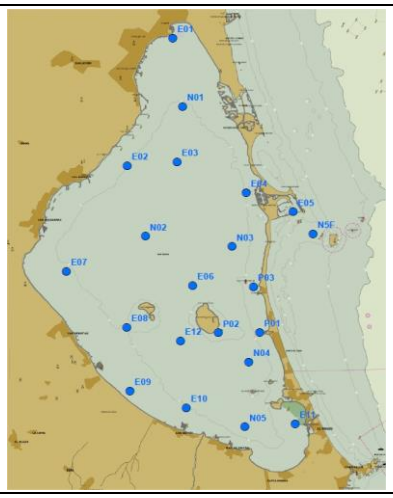
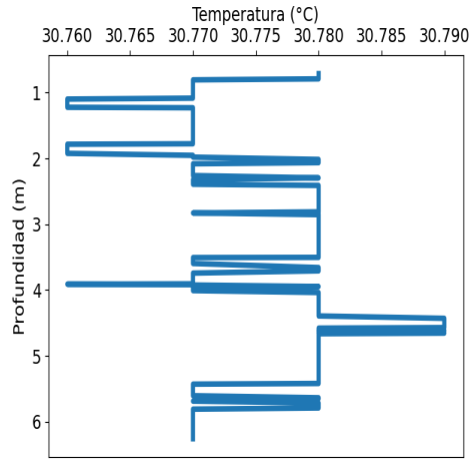
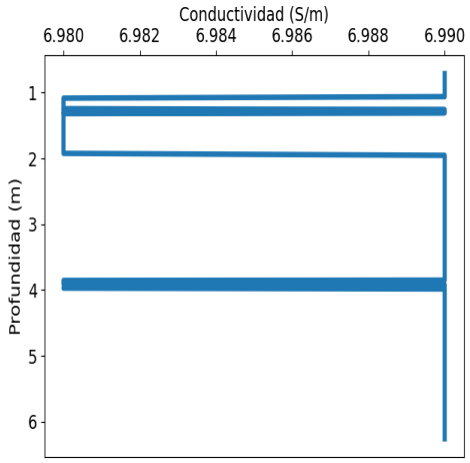
| 4.705 | 30.86 | 7.01 | 0.61 | 4.03 | 8.37 | 0.23 | 42.32 |
| 4.726 | 30.86 | 7.01 | 0.53 | 4.06 | 8.32 | 0.21 | 42.32 |
| 4.741 | 30.86 | 7.01 | 0.53 | 4.1 | 8.35 | 0.21 | 42.32 |
| 4.745 | 30.86 | 7.01 | 0.5 | 4.14 | 8.36 | 0.25 | 42.32 |
| 4.751 | 30.86 | 7.01 | 0.42 | 4.15 | 8.28 | 0.2 | 42.32 |
| 4.764 | 30.86 | 7.01 | 0.46 | 4.15 | 8.3 | 0.21 | 42.32 |
| 4.776 | 30.86 | 7.01 | 0.61 | 4.14 | 8.27 | 0.21 | 42.32 |
| 4.786 | 30.86 | 7.01 | 0.57 | 4.15 | 8.28 | 0.2 | 42.32 |
| 4.798 | 30.86 | 7.01 | 0.57 | 4.15 | 8.27 | 0.18 | 42.32 |
| 4.808 | 30.86 | 7.01 | 0.61 | 4.16 | 8.24 | 0.2 | 42.32 |
| 4.813 | 30.86 | 7.01 | 0.5 | 4.17 | 8.26 | 0.15 | 42.32 |
| 4.815 | 30.86 | 7.01 | 0.65 | 4.19 | 8.24 | 0.2 | 42.32 |
| 4.822 | 30.86 | 7.01 | 0.53 | 4.2 | 8.24 | 0.21 | 42.32 |
| 4.828 | 30.87 | 7.01 | 0.53 | 4.21 | 8.22 | 0.22 | 42.32 |
| 4.835 | 30.86 | 7.01 | 0.61 | 4.22 | 8.2 | 0.21 | 42.32 |
| 4.841 | 30.86 | 7.01 | 0.61 | 4.23 | 8.21 | 0.21 | 42.32 |
| 4.851 | 30.86 | 7.01 | 0.5 | 4.24 | 8.21 | 0.2 | 42.32 |
| 4.865 | 30.86 | 7.01 | 0.57 | 4.25 | 8.16 | 0.2 | 42.32 |
| 4.876 | 30.86 | 7.01 | 0.61 | 4.26 | 8.15 | 0.2 | 42.32 |
| 4.88 | 30.86 | 7.01 | 0.46 | 4.27 | 8.16 | 0.19 | 42.32 |
| 4.885 | 30.86 | 7.01 | 0.57 | 4.27 | 8.14 | 0.17 | 42.32 |
| 4.894 | 30.86 | 7.01 | 0.61 | 4.27 | 8.18 | 0.16 | 42.32 |
| 4.903 | 30.86 | 7.01 | 0.69 | 4.28 | 8.12 | 0.17 | 42.32 |
| 4.91 | 30.86 | 7.01 | 0.69 | 4.27 | 8.16 | 0.19 | 42.32 |
| 4.917 | 30.86 | 7.01 | 0.53 | 4.27 | 8.13 | 0.19 | 42.32 |
| 4.922 | 30.86 | 7.01 | 0.57 | 4.28 | 8.11 | 0.19 | 42.32 |
| 4.927 | 30.86 | 7.01 | 0.5 | 4.28 | 8.13 | 0.18 | 42.32 |
| 4.929 | 30.86 | 7.01 | 0.65 | 4.29 | 8.08 | 0.15 | 42.32 |
| 4.934 | 30.86 | 7.01 | 0.65 | 4.29 | 8.08 | 0.2 | 42.32 |
| 4.941 | 30.86 | 7.01 | 0.42 | 4.28 | 8.09 | 0.2 | 42.32 |
| 4.952 | 30.86 | 7.01 | 0.57 | 4.28 | 8.07 | 0.23 | 42.32 |
| 4.957 | 30.86 | 7.01 | 0.65 | 4.28 | 8.09 | 0.2 | 42.32 |
| 4.965 | 30.86 | 7.01 | 0.69 | 4.28 | 8.05 | 0.16 | 42.32 |
| 4.979 | 30.86 | 7.01 | 0.61 | 4.28 | 8.02 | 0.16 | 42.32 |
| 4.994 | 30.86 | 7.01 | 0.57 | 4.28 | 8.01 | 0.2 | 42.32 |
| 5.003 | 30.86 | 7.01 | 0.57 | 4.28 | 7.99 | 0.2 | 42.32 |
| 5.004 | 30.86 | 7.01 | 0.61 | 4.28 | 8.05 | 0.18 | 42.32 |
| 5.008 | 30.86 | 7.01 | 0.42 | 4.29 | 8.01 | 0.17 | 42.32 |
| 5.019 | 30.86 | 7.01 | 0.61 | 4.3 | 7.97 | 0.19 | 42.32 |
| 5.038 | 30.86 | 7.01 | 0.57 | 4.3 | 7.95 | 0.16 | 42.32 |
| 5.052 | 30.86 | 7.01 | 0.61 | 4.3 | 7.92 | 0.2 | 42.32 |
| 5.056 | 30.86 | 7.01 | 0.53 | 4.3 | 7.99 | 0.18 | 42.32 |
| 5.059 | 30.86 | 7.01 | 0.42 | 4.3 | 7.96 | 0.2 | 42.32 |
| 5.073 | 30.86 | 7.01 | 0.5 | 4.31 | 7.92 | 0.18 | 42.32 |
| 5.092 | 30.86 | 7.01 | 0.61 | 4.31 | 7.91 | 0.18 | 42.32 |
| 5.108 | 30.86 | 7.01 | 0.57 | 4.31 | 7.92 | 0.21 | 42.32 |
| 5.111 | 30.86 | 7.01 | 0.61 | 4.31 | 7.89 | 0.2 | 42.32 |
| 5.116 | 30.86 | 7.01 | 0.65 | 4.32 | 7.91 | 0.19 | 42.32 |
| 5.131 | 30.86 | 7.01 | 0.46 | 4.31 | 7.87 | 0.22 | 42.32 |
| 5.15 | 30.86 | 7.01 | 0.46 | 4.31 | 7.85 | 0.2 | 42.32 |
| 5.158 | 30.86 | 7.01 | 0.69 | 4.31 | 7.87 | 0.18 | 42.32 |
| 5.16 | 30.86 | 7.01 | 0.42 | 4.3 | 7.85 | 0.17 | 42.32 |
| 5.163 | 30.86 | 7.01 | 0.69 | 4.3 | 7.86 | 0.24 | 42.32 |
| 5.175 | 30.86 | 7.01 | 0.57 | 4.31 | 7.82 | 0.18 | 42.32 |
| 5.184 | 30.86 | 7.01 | 0.53 | 4.31 | 7.84 | 0.19 | 42.32 |
| 5.187 | 30.86 | 7.01 | 0.61 | 4.32 | 7.82 | 0.16 | 42.32 |
| 5.195 | 30.86 | 7.01 | 0.57 | 4.31 | 7.83 | 0.17 | 42.32 |
| 5.214 | 30.86 | 7.01 | 0.69 | 4.31 | 7.74 | 0.17 | 42.32 |

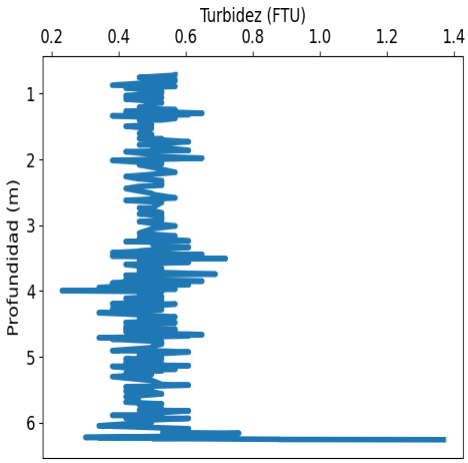
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.234 | 30.86 | 7.01 | 0.61 | 4.32 | 7.78 | 0.15 | 42.32 |
| 5.238 | 30.86 | 7.01 | 0.61 | 4.3 | 7.74 | 0.19 | 42.32 |
| 5.245 | 30.86 | 7.01 | 0.46 | 4.3 | 7.74 | 0.19 | 42.32 |
| 5.254 | 30.86 | 7.01 | 0.53 | 4.29 | 7.73 | 0.2 | 42.32 |
| 5.261 | 30.86 | 7.01 | 0.65 | 4.29 | 7.75 | 0.15 | 42.32 |
| 5.265 | 30.86 | 7.01 | 0.53 | 4.29 | 7.73 | 0.18 | 42.32 |
| 5.267 | 30.86 | 7.01 | 0.61 | 4.29 | 7.72 | 0.17 | 42.32 |
| 5.277 | 30.86 | 7.01 | 0.53 | 4.29 | 7.67 | 0.17 | 42.32 |
| 5.286 | 30.86 | 7.01 | 0.5 | 4.28 | 7.67 | 0.2 | 42.32 |
| 5.291 | 30.86 | 7.01 | 0.53 | 4.28 | 7.68 | 0.18 | 42.32 |
| 5.296 | 30.86 | 7.01 | 0.53 | 4.28 | 7.68 | 0.15 | 42.32 |
| 5.302 | 30.86 | 7.01 | 0.57 | 4.28 | 7.62 | 0.16 | 42.32 |
| 5.304 | 30.86 | 7.01 | 0.46 | 4.27 | 7.65 | 0.19 | 42.32 |
| 5.306 | 30.86 | 7.01 | 0.65 | 4.28 | 7.61 | 0.14 | 42.32 |
| 5.319 | 30.86 | 7.01 | 0.61 | 4.28 | 7.57 | 0.18 | 42.32 |
| 5.328 | 30.86 | 7.01 | 0.61 | 4.29 | 7.57 | 0.17 | 42.32 |
| 5.33 | 30.86 | 7.01 | 0.57 | 4.31 | 7.53 | 0.19 | 42.32 |
| 5.331 | 30.86 | 7.01 | 0.5 | 4.31 | 7.55 | 0.15 | 42.32 |
| 5.335 | 30.86 | 7.01 | 0.5 | 4.31 | 7.51 | 0.14 | 42.32 |
| 5.345 | 30.86 | 7.01 | 0.42 | 4.3 | 7.53 | 0.17 | 42.32 |
| 5.35 | 30.86 | 7.01 | 0.53 | 4.3 | 7.5 | 0.11 | 42.32 |
| 5.353 | 30.86 | 7.01 | 0.69 | 4.3 | 7.49 | 0.13 | 42.32 |
| 5.355 | 30.86 | 7.01 | 0.69 | 4.3 | 7.5 | 0.14 | 42.32 |
| 5.357 | 30.86 | 7.01 | 0.84 | 4.3 | 7.48 | 0.16 | 42.32 |
| 5.361 | 30.86 | 7.01 | 0.61 | 4.3 | 7.47 | 0.17 | 42.32 |
| 5.364 | 30.86 | 7.01 | 0.53 | 4.3 | 7.49 | 0.13 | 42.32 |
| 5.365 | 30.86 | 7.01 | 0.61 | 4.29 | 7.47 | 0.13 | 42.32 |

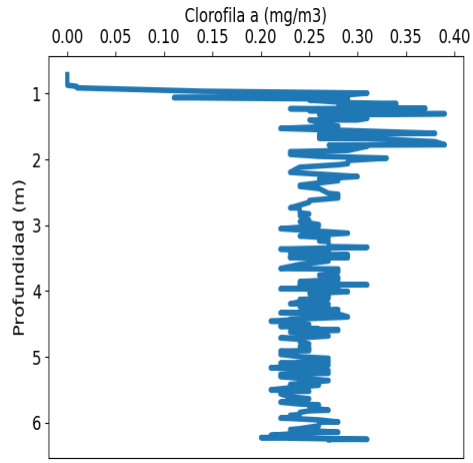
**Nombre: CTD E03 - Punto 003** **Fecha: 08/08/2022** **Hora: 06:08:35**

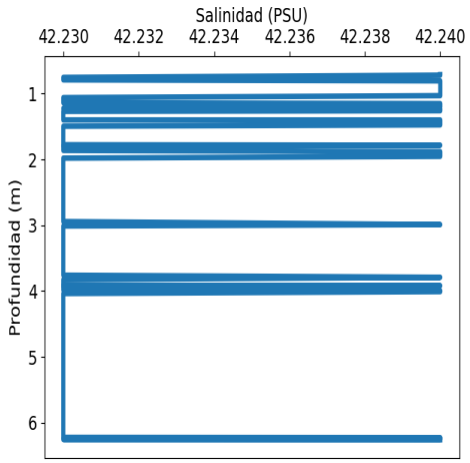


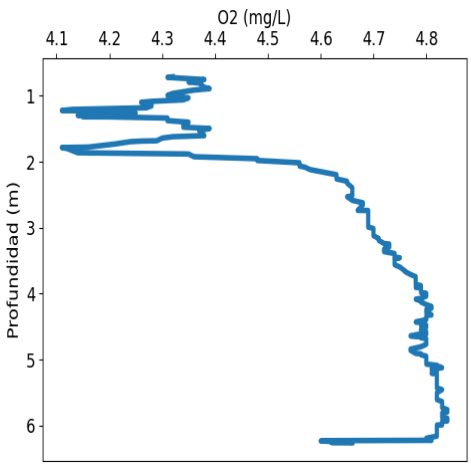



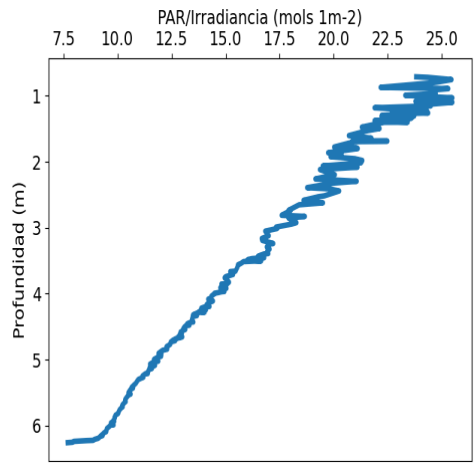




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.76 | 6.98 | 0.23 | 4.11 | 7.69 | 0.0 | 42.23 |
| **PROF (metros)** | 1.098 | 1.084 | 3.994 | 1.223 | 6.258 | 0.712 | 0.754 |
| **MÁXIMO** | 30.79 | 30.79 | 1.37 | 4.84 | 25.5 | 0.39 | 42.24 |
| **PROF (metros)** | 4.429 | 0.712 | 6.258 | 5.757 | 1.031 | 1.306 | 0.712 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E03 - Punto 003 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.77 | 6.99 | 0.52 | 4.35 | 24.3 | 0.05 | 42.24 |
| 1 - 2m | 30.77 | 6.98 | 0.5 | 4.26 | 22.38 | 0.29 | 42.23 |
| 2 - 3m | 30.78 | 6.99 | 0.49 | 4.65 | 19.14 | 0.26 | 42.23 |
| 3 - 4m | 30.77 | 6.99 | 0.5 | 4.75 | 15.9 | 0.26 | 42.23 |
| 4 - 5m | 30.78 | 6.99 | 0.49 | 4.79 | 13.15 | 0.25 | 42.23 |
| 5 - 6m | 30.78 | 6.99 | 0.48 | 4.82 | 10.64 | 0.24 | 42.23 |
| 6 - 7m | 30.77 | 6.99 | 0.61 | 4.73 | 8.72 | 0.25 | 42.24 |

| 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) |
| 0.712 | 30.78 | 6.99 | 0.57 | 4.32 | 23.82 | 0.0 | 42.24 |
| 0.72 | 30.78 | 6.99 | 0.57 | 4.31 | 24.35 | 0.0 | 42.24 |
| 0.754 | 30.78 | 6.99 | 0.46 | 4.38 | 25.46 | 0.0 | 42.23 |
| 0.791 | 30.78 | 6.99 | 0.57 | 4.35 | 24.81 | 0.0 | 42.23 |
| 0.806 | 30.77 | 6.99 | 0.57 | 4.37 | 24.48 | 0.0 | 42.24 |
| 0.872 | 30.77 | 6.99 | 0.38 | 4.38 | 22.17 | 0.0 | 42.24 |
| 0.891 | 30.77 | 6.99 | 0.57 | 4.39 | 25.31 | 0.01 | 42.24 |
| 0.913 | 30.77 | 6.99 | 0.42 | 4.36 | 24.54 | 0.01 | 42.24 |
| 0.964 | 30.77 | 6.99 | 0.53 | 4.32 | 24.73 | 0.14 | 42.24 |
| 0.992 | 30.77 | 6.99 | 0.53 | 4.31 | 23.31 | 0.31 | 42.24 |
| 1.031 | 30.77 | 6.99 | 0.42 | 4.35 | 25.5 | 0.28 | 42.24 |
| 1.061 | 30.77 | 6.99 | 0.53 | 4.34 | 24.02 | 0.11 | 42.23 |
| 1.084 | 30.77 | 6.98 | 0.42 | 4.28 | 23.78 | 0.29 | 42.23 |
| 1.098 | 30.76 | 6.98 | 0.46 | 4.26 | 25.5 | 0.25 | 42.23 |
| 1.139 | 30.76 | 6.98 | 0.53 | 4.28 | 24.03 | 0.29 | 42.23 |
| 1.152 | 30.76 | 6.98 | 0.5 | 4.28 | 24.5 | 0.34 | 42.24 |
| 1.181 | 30.76 | 6.98 | 0.5 | 4.27 | 21.89 | 0.28 | 42.24 |
| 1.206 | 30.76 | 6.98 | 0.46 | 4.13 | 23.14 | 0.28 | 42.24 |
| 1.223 | 30.76 | 6.98 | 0.5 | 4.11 | 22.68 | 0.37 | 42.23 |
| 1.23 | 30.77 | 6.98 | 0.5 | 4.17 | 24.33 | 0.23 | 42.24 |
| 1.244 | 30.77 | 6.98 | 0.57 | 4.23 | 23.47 | 0.31 | 42.24 |
| 1.26 | 30.77 | 6.99 | 0.46 | 4.25 | 24.38 | 0.25 | 42.24 |
| 1.269 | 30.77 | 6.98 | 0.42 | 4.22 | 23.22 | 0.3 | 42.23 |
| 1.275 | 30.77 | 6.99 | 0.5 | 4.15 | 23.21 | 0.26 | 42.23 |
| 1.297 | 30.77 | 6.99 | 0.65 | 4.14 | 22.22 | 0.3 | 42.23 |
| 1.303 | 30.77 | 6.98 | 0.5 | 4.16 | 23.46 | 0.31 | 42.23 |
| 1.306 | 30.77 | 6.99 | 0.46 | 4.17 | 23.73 | 0.39 | 42.23 |
| 1.318 | 30.77 | 6.98 | 0.5 | 4.15 | 23.08 | 0.31 | 42.23 |
| 1.319 | 30.77 | 6.98 | 0.61 | 4.2 | 22.22 | 0.26 | 42.23 |
| 1.337 | 30.77 | 6.98 | 0.38 | 4.31 | 23.61 | 0.29 | 42.23 |
| 1.376 | 30.77 | 6.98 | 0.57 | 4.31 | 21.89 | 0.31 | 42.23 |
| 1.4 | 30.77 | 6.98 | 0.53 | 4.35 | 23.43 | 0.3 | 42.23 |
| 1.401 | 30.77 | 6.98 | 0.46 | 4.34 | 22.34 | 0.25 | 42.24 |
| 1.475 | 30.77 | 6.98 | 0.5 | 4.34 | 21.3 | 0.27 | 42.24 |
| 1.495 | 30.77 | 6.98 | 0.42 | 4.39 | 22.13 | 0.28 | 42.23 |

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|---|---|---|---|---|---|---|---|
| 1.529 | 30.77 | 6.98 | 0.5 | 4.37 | 21.55 | 0.22 | 42.23 |
| 1.603 | 30.77 | 6.98 | 0.46 | 4.38 | 20.7 | 0.38 | 42.23 |
| 1.62 | 30.77 | 6.98 | 0.5 | 4.32 | 21.15 | 0.26 | 42.23 |
| 1.641 | 30.77 | 6.98 | 0.5 | 4.3 | 21.75 | 0.26 | 42.23 |
| 1.681 | 30.77 | 6.98 | 0.46 | 4.29 | 20.87 | 0.26 | 42.23 |
| 1.686 | 30.77 | 6.98 | 0.53 | 4.26 | 22.49 | 0.31 | 42.23 |
| 1.695 | 30.77 | 6.98 | 0.5 | 4.24 | 20.96 | 0.33 | 42.23 |
| 1.731 | 30.77 | 6.98 | 0.61 | 4.21 | 20.55 | 0.38 | 42.23 |
| 1.777 | 30.77 | 6.98 | 0.46 | 4.16 | 20.02 | 0.39 | 42.23 |
| 1.784 | 30.76 | 6.98 | 0.53 | 4.11 | 21.04 | 0.27 | 42.24 |
| 1.799 | 30.76 | 6.98 | 0.5 | 4.12 | 21.12 | 0.31 | 42.23 |
| 1.863 | 30.76 | 6.98 | 0.61 | 4.14 | 19.74 | 0.29 | 42.23 |
| 1.882 | 30.76 | 6.98 | 0.42 | 4.35 | 20.37 | 0.23 | 42.24 |
| 1.923 | 30.76 | 6.98 | 0.5 | 4.36 | 19.85 | 0.23 | 42.24 |
| 1.953 | 30.77 | 6.99 | 0.5 | 4.48 | 20.98 | 0.26 | 42.24 |
| 1.98 | 30.77 | 6.99 | 0.65 | 4.48 | 21.33 | 0.33 | 42.23 |
| 2.015 | 30.78 | 6.99 | 0.38 | 4.56 | 21.27 | 0.29 | 42.23 |
| 2.064 | 30.78 | 6.99 | 0.53 | 4.56 | 19.49 | 0.29 | 42.23 |
| 2.081 | 30.77 | 6.99 | 0.46 | 4.57 | 21.11 | 0.28 | 42.23 |
| 2.118 | 30.77 | 6.99 | 0.5 | 4.58 | 19.36 | 0.24 | 42.23 |
| 2.196 | 30.77 | 6.99 | 0.57 | 4.63 | 20.06 | 0.23 | 42.23 |
| 2.26 | 30.77 | 6.99 | 0.42 | 4.63 | 19.15 | 0.3 | 42.23 |
| 2.295 | 30.78 | 6.99 | 0.46 | 4.65 | 21.07 | 0.26 | 42.23 |
| 2.322 | 30.77 | 6.99 | 0.53 | 4.65 | 20.01 | 0.28 | 42.23 |
| 2.392 | 30.77 | 6.99 | 0.53 | 4.66 | 18.77 | 0.24 | 42.23 |
| 2.41 | 30.78 | 6.99 | 0.46 | 4.66 | 19.79 | 0.24 | 42.23 |
| 2.442 | 30.78 | 6.99 | 0.42 | 4.66 | 20.26 | 0.26 | 42.23 |
| 2.516 | 30.78 | 6.99 | 0.5 | 4.66 | 19.57 | 0.27 | 42.23 |
| 2.53 | 30.78 | 6.99 | 0.5 | 4.65 | 19.29 | 0.28 | 42.23 |
| 2.585 | 30.78 | 6.99 | 0.57 | 4.66 | 18.6 | 0.28 | 42.23 |
| 2.622 | 30.78 | 6.99 | 0.42 | 4.68 | 19.51 | 0.25 | 42.23 |
| 2.652 | 30.78 | 6.99 | 0.53 | 4.68 | 18.4 | 0.25 | 42.23 |
| 2.736 | 30.78 | 6.99 | 0.5 | 4.67 | 17.91 | 0.23 | 42.23 |
| 2.738 | 30.78 | 6.99 | 0.46 | 4.69 | 18.01 | 0.24 | 42.23 |
| 2.811 | 30.78 | 6.99 | 0.53 | 4.69 | 17.59 | 0.24 | 42.23 |
| 2.828 | 30.77 | 6.99 | 0.46 | 4.69 | 18.67 | 0.25 | 42.23 |
| 2.854 | 30.78 | 6.99 | 0.53 | 4.69 | 17.91 | 0.24 | 42.23 |
| 2.922 | 30.78 | 6.99 | 0.53 | 4.69 | 18.28 | 0.25 | 42.23 |
| 2.944 | 30.78 | 6.99 | 0.46 | 4.69 | 18.06 | 0.24 | 42.23 |
| 2.99 | 30.78 | 6.99 | 0.53 | 4.69 | 17.33 | 0.26 | 42.24 |
| 3.011 | 30.78 | 6.99 | 0.57 | 4.7 | 17.39 | 0.26 | 42.23 |
| 3.052 | 30.78 | 6.99 | 0.5 | 4.7 | 16.83 | 0.22 | 42.23 |
| 3.12 | 30.78 | 6.99 | 0.46 | 4.7 | 17.0 | 0.29 | 42.23 |
| 3.163 | 30.78 | 6.99 | 0.57 | 4.71 | 16.67 | 0.24 | 42.23 |
| 3.191 | 30.78 | 6.99 | 0.46 | 4.71 | 16.69 | 0.27 | 42.23 |
| 3.239 | 30.78 | 6.99 | 0.61 | 4.72 | 17.21 | 0.26 | 42.23 |
| 3.248 | 30.78 | 6.99 | 0.42 | 4.73 | 17.02 | 0.27 | 42.23 |
| 3.256 | 30.78 | 6.99 | 0.5 | 4.73 | 17.01 | 0.27 | 42.23 |
| 3.291 | 30.78 | 6.99 | 0.5 | 4.73 | 16.9 | 0.27 | 42.23 |
| 3.324 | 30.78 | 6.99 | 0.53 | 4.72 | 17.04 | 0.27 | 42.23 |
| 3.334 | 30.78 | 6.99 | 0.61 | 4.72 | 16.95 | 0.31 | 42.23 |
| 3.362 | 30.78 | 6.99 | 0.53 | 4.72 | 16.92 | 0.22 | 42.23 |
| 3.391 | 30.78 | 6.99 | 0.46 | 4.74 | 16.98 | 0.27 | 42.23 |
| 3.396 | 30.78 | 6.99 | 0.46 | 4.74 | 16.79 | 0.27 | 42.23 |
| 3.417 | 30.78 | 6.99 | 0.38 | 4.74 | 16.61 | 0.25 | 42.23 |
| 3.435 | 30.78 | 6.99 | 0.46 | 4.74 | 16.49 | 0.23 | 42.23 |
| 3.443 | 30.78 | 6.99 | 0.65 | 4.74 | 16.76 | 0.26 | 42.23 |
| 3.448 | 30.78 | 6.99 | 0.46 | 4.74 | 16.75 | 0.29 | 42.23 |

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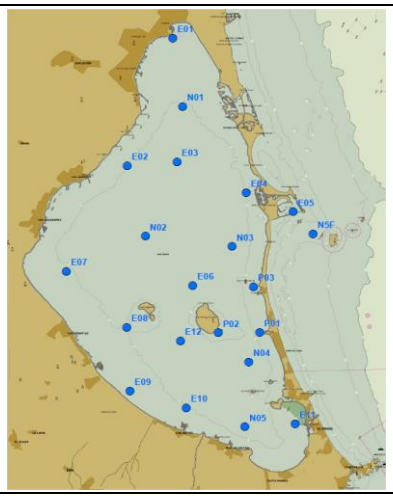
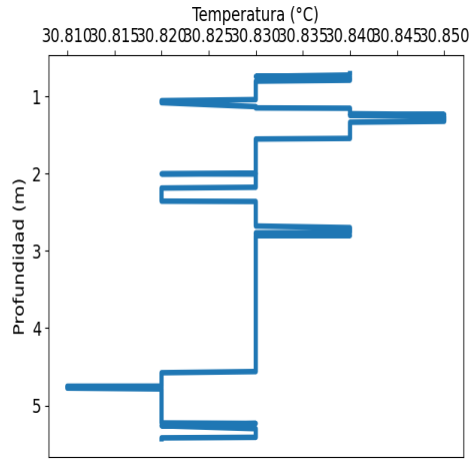
|---|---|---|---|---|---|---|---|
| 3.455 | 30.78 | 6.99 | 0.5 | 4.75 | 16.79 | 0.28 | 42.23 |
| 3.468 | 30.78 | 6.99 | 0.38 | 4.74 | 16.22 | 0.24 | 42.23 |
| 3.484 | 30.78 | 6.99 | 0.53 | 4.74 | 16.02 | 0.23 | 42.23 |
| 3.49 | 30.78 | 6.99 | 0.46 | 4.74 | 16.1 | 0.29 | 42.23 |
| 3.493 | 30.78 | 6.99 | 0.46 | 4.74 | 16.32 | 0.23 | 42.23 |
| 3.503 | 30.78 | 6.99 | 0.57 | 4.74 | 16.65 | 0.27 | 42.23 |
| 3.506 | 30.77 | 6.99 | 0.72 | 4.74 | 16.28 | 0.27 | 42.23 |
| 3.513 | 30.77 | 6.99 | 0.57 | 4.74 | 15.83 | 0.27 | 42.23 |
| 3.543 | 30.77 | 6.99 | 0.46 | 4.74 | 15.7 | 0.27 | 42.23 |
| 3.561 | 30.77 | 6.99 | 0.61 | 4.74 | 15.57 | 0.26 | 42.23 |
| 3.596 | 30.77 | 6.99 | 0.42 | 4.75 | 15.55 | 0.24 | 42.23 |
| 3.658 | 30.78 | 6.99 | 0.53 | 4.76 | 15.46 | 0.22 | 42.23 |
| 3.665 | 30.78 | 6.99 | 0.46 | 4.76 | 15.21 | 0.28 | 42.23 |
| 3.708 | 30.78 | 6.99 | 0.46 | 4.77 | 15.35 | 0.28 | 42.23 |
| 3.742 | 30.77 | 6.99 | 0.69 | 4.78 | 15.0 | 0.27 | 42.23 |
| 3.759 | 30.77 | 6.99 | 0.42 | 4.78 | 14.95 | 0.26 | 42.23 |
| 3.791 | 30.77 | 6.99 | 0.53 | 4.78 | 15.07 | 0.28 | 42.24 |
| 3.825 | 30.77 | 6.99 | 0.42 | 4.78 | 15.16 | 0.28 | 42.23 |
| 3.849 | 30.77 | 6.99 | 0.65 | 4.78 | 15.08 | 0.25 | 42.23 |
| 3.854 | 30.77 | 6.98 | 0.5 | 4.78 | 14.8 | 0.24 | 42.23 |
| 3.861 | 30.77 | 6.98 | 0.42 | 4.78 | 14.82 | 0.24 | 42.23 |
| 3.878 | 30.77 | 6.98 | 0.38 | 4.79 | 14.89 | 0.27 | 42.23 |
| 3.898 | 30.77 | 6.98 | 0.46 | 4.78 | 14.98 | 0.24 | 42.23 |
| 3.905 | 30.77 | 6.98 | 0.61 | 4.78 | 14.88 | 0.31 | 42.23 |
| 3.91 | 30.76 | 6.98 | 0.46 | 4.79 | 14.75 | 0.24 | 42.23 |
| 3.918 | 30.77 | 6.99 | 0.53 | 4.79 | 15.04 | 0.28 | 42.24 |
| 3.923 | 30.77 | 6.99 | 0.42 | 4.79 | 14.8 | 0.24 | 42.23 |
| 3.946 | 30.78 | 6.99 | 0.34 | 4.79 | 14.78 | 0.28 | 42.23 |
| 3.966 | 30.77 | 6.98 | 0.53 | 4.79 | 14.95 | 0.22 | 42.23 |
| 3.97 | 30.77 | 6.98 | 0.57 | 4.79 | 14.82 | 0.27 | 42.23 |
| 3.983 | 30.77 | 6.99 | 0.46 | 4.79 | 14.66 | 0.27 | 42.23 |
| 3.994 | 30.77 | 6.99 | 0.23 | 4.8 | 14.48 | 0.27 | 42.24 |
| 4.008 | 30.77 | 6.99 | 0.53 | 4.8 | 14.46 | 0.29 | 42.24 |
| 4.037 | 30.78 | 6.99 | 0.5 | 4.8 | 14.34 | 0.25 | 42.23 |
| 4.07 | 30.78 | 6.99 | 0.46 | 4.79 | 14.32 | 0.27 | 42.23 |
| 4.083 | 30.78 | 6.99 | 0.53 | 4.78 | 14.19 | 0.27 | 42.23 |
| 4.11 | 30.78 | 6.99 | 0.42 | 4.79 | 14.42 | 0.27 | 42.23 |
| 4.127 | 30.78 | 6.99 | 0.53 | 4.79 | 14.28 | 0.24 | 42.23 |
| 4.165 | 30.78 | 6.99 | 0.5 | 4.8 | 14.12 | 0.24 | 42.23 |
| 4.193 | 30.78 | 6.99 | 0.38 | 4.81 | 14.26 | 0.23 | 42.23 |
| 4.197 | 30.78 | 6.99 | 0.57 | 4.81 | 14.06 | 0.27 | 42.23 |
| 4.22 | 30.78 | 6.99 | 0.5 | 4.81 | 13.87 | 0.25 | 42.23 |
| 4.24 | 30.78 | 6.99 | 0.53 | 4.8 | 14.1 | 0.24 | 42.23 |
| 4.243 | 30.78 | 6.99 | 0.5 | 4.8 | 13.98 | 0.27 | 42.23 |
| 4.268 | 30.78 | 6.99 | 0.38 | 4.8 | 13.79 | 0.25 | 42.23 |
| 4.281 | 30.78 | 6.99 | 0.53 | 4.8 | 14.03 | 0.25 | 42.23 |
| 4.283 | 30.78 | 6.99 | 0.42 | 4.8 | 13.75 | 0.28 | 42.23 |
| 4.321 | 30.78 | 6.99 | 0.46 | 4.81 | 13.49 | 0.26 | 42.23 |
| 4.331 | 30.78 | 6.99 | 0.34 | 4.8 | 13.68 | 0.22 | 42.23 |
| 4.347 | 30.78 | 6.99 | 0.42 | 4.8 | 13.48 | 0.28 | 42.23 |
| 4.393 | 30.78 | 6.99 | 0.57 | 4.8 | 13.44 | 0.29 | 42.23 |
| 4.429 | 30.79 | 6.99 | 0.5 | 4.78 | 13.51 | 0.23 | 42.23 |
| 4.431 | 30.79 | 6.99 | 0.46 | 4.79 | 13.39 | 0.24 | 42.23 |
| 4.457 | 30.79 | 6.99 | 0.53 | 4.79 | 13.22 | 0.21 | 42.23 |
| 4.477 | 30.79 | 6.99 | 0.42 | 4.8 | 13.33 | 0.24 | 42.23 |
| 4.48 | 30.79 | 6.99 | 0.57 | 4.79 | 13.18 | 0.22 | 42.23 |
| 4.508 | 30.79 | 6.99 | 0.46 | 4.8 | 13.08 | 0.25 | 42.23 |
| 4.534 | 30.79 | 6.99 | 0.46 | 4.79 | 13.05 | 0.22 | 42.23 |

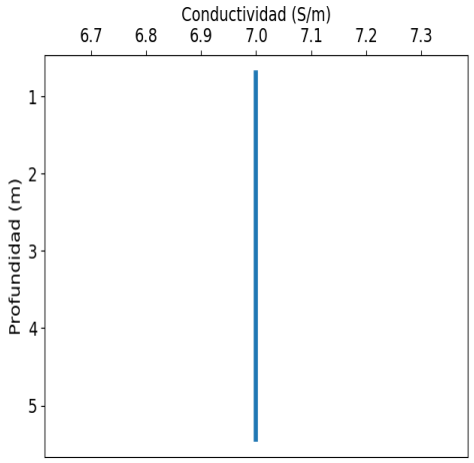
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.538 | 30.79 | 6.99 | 0.46 | 4.79 | 13.03 | 0.22 | 42.23 |
| 4.542 | 30.79 | 6.99 | 0.42 | 4.79 | 13.14 | 0.24 | 42.23 |
| 4.554 | 30.79 | 6.99 | 0.5 | 4.79 | 13.04 | 0.23 | 42.23 |
| 4.57 | 30.79 | 6.99 | 0.46 | 4.79 | 12.98 | 0.25 | 42.23 |
| 4.577 | 30.78 | 6.99 | 0.42 | 4.8 | 12.96 | 0.26 | 42.23 |
| 4.578 | 30.78 | 6.99 | 0.57 | 4.8 | 12.92 | 0.24 | 42.23 |
| 4.585 | 30.78 | 6.99 | 0.5 | 4.8 | 12.91 | 0.28 | 42.23 |
| 4.597 | 30.78 | 6.99 | 0.5 | 4.8 | 12.98 | 0.28 | 42.23 |
| 4.606 | 30.78 | 6.99 | 0.57 | 4.8 | 12.93 | 0.24 | 42.23 |
| 4.611 | 30.79 | 6.99 | 0.46 | 4.8 | 12.89 | 0.24 | 42.23 |
| 4.617 | 30.79 | 6.99 | 0.42 | 4.79 | 12.9 | 0.25 | 42.23 |
| 4.621 | 30.79 | 6.99 | 0.57 | 4.78 | 12.94 | 0.23 | 42.23 |
| 4.627 | 30.78 | 6.99 | 0.57 | 4.78 | 12.9 | 0.24 | 42.23 |
| 4.64 | 30.78 | 6.99 | 0.57 | 4.77 | 12.86 | 0.25 | 42.23 |
| 4.65 | 30.79 | 6.99 | 0.53 | 4.78 | 12.81 | 0.25 | 42.23 |
| 4.654 | 30.79 | 6.99 | 0.61 | 4.79 | 13.0 | 0.26 | 42.23 |
| 4.663 | 30.78 | 6.99 | 0.65 | 4.79 | 12.87 | 0.26 | 42.23 |
| 4.667 | 30.78 | 6.99 | 0.5 | 4.79 | 12.87 | 0.25 | 42.23 |
| 4.682 | 30.78 | 6.99 | 0.61 | 4.8 | 12.69 | 0.27 | 42.23 |
| 4.71 | 30.78 | 6.99 | 0.34 | 4.8 | 12.54 | 0.24 | 42.23 |
| 4.712 | 30.78 | 6.99 | 0.5 | 4.8 | 12.67 | 0.22 | 42.23 |
| 4.731 | 30.78 | 6.99 | 0.38 | 4.8 | 12.46 | 0.24 | 42.23 |
| 4.767 | 30.78 | 6.99 | 0.53 | 4.8 | 12.44 | 0.24 | 42.23 |
| 4.804 | 30.78 | 6.99 | 0.53 | 4.79 | 12.26 | 0.25 | 42.23 |
| 4.841 | 30.78 | 6.99 | 0.5 | 4.77 | 12.3 | 0.24 | 42.23 |
| 4.859 | 30.78 | 6.99 | 0.5 | 4.77 | 12.08 | 0.25 | 42.23 |
| 4.905 | 30.78 | 6.99 | 0.38 | 4.78 | 11.89 | 0.25 | 42.23 |
| 4.912 | 30.78 | 6.99 | 0.53 | 4.79 | 12.03 | 0.22 | 42.23 |
| 4.926 | 30.78 | 6.99 | 0.61 | 4.79 | 11.94 | 0.23 | 42.23 |
| 4.948 | 30.78 | 6.99 | 0.53 | 4.8 | 12.02 | 0.23 | 42.23 |
| 4.96 | 30.78 | 6.99 | 0.46 | 4.8 | 11.87 | 0.22 | 42.23 |
| 4.997 | 30.78 | 6.99 | 0.46 | 4.8 | 11.68 | 0.24 | 42.23 |
| 5.022 | 30.78 | 6.99 | 0.53 | 4.8 | 11.89 | 0.27 | 42.23 |
| 5.03 | 30.78 | 6.99 | 0.42 | 4.8 | 11.73 | 0.26 | 42.23 |
| 5.067 | 30.78 | 6.99 | 0.5 | 4.8 | 11.5 | 0.27 | 42.23 |
| 5.086 | 30.78 | 6.99 | 0.42 | 4.82 | 11.74 | 0.24 | 42.23 |
| 5.094 | 30.78 | 6.99 | 0.53 | 4.82 | 11.62 | 0.22 | 42.23 |
| 5.122 | 30.78 | 6.99 | 0.42 | 4.83 | 11.48 | 0.27 | 42.23 |
| 5.132 | 30.78 | 6.99 | 0.61 | 4.82 | 11.6 | 0.23 | 42.23 |
| 5.143 | 30.78 | 6.99 | 0.38 | 4.81 | 11.5 | 0.24 | 42.23 |
| 5.165 | 30.78 | 6.99 | 0.42 | 4.82 | 11.43 | 0.21 | 42.23 |
| 5.187 | 30.78 | 6.99 | 0.57 | 4.82 | 11.4 | 0.24 | 42.23 |
| 5.206 | 30.78 | 6.99 | 0.46 | 4.81 | 11.38 | 0.27 | 42.23 |
| 5.211 | 30.78 | 6.99 | 0.53 | 4.82 | 11.4 | 0.23 | 42.23 |
| 5.214 | 30.78 | 6.99 | 0.5 | 4.82 | 11.28 | 0.25 | 42.23 |
| 5.248 | 30.78 | 6.99 | 0.42 | 4.82 | 11.15 | 0.27 | 42.23 |
| 5.266 | 30.78 | 6.99 | 0.5 | 4.82 | 11.2 | 0.22 | 42.23 |
| 5.3 | 30.78 | 6.99 | 0.38 | 4.82 | 10.96 | 0.22 | 42.23 |
| 5.359 | 30.78 | 6.99 | 0.5 | 4.82 | 10.84 | 0.27 | 42.23 |
| 5.419 | 30.78 | 6.99 | 0.53 | 4.82 | 10.65 | 0.23 | 42.23 |
| 5.429 | 30.77 | 6.99 | 0.61 | 4.82 | 10.72 | 0.26 | 42.23 |
| 5.455 | 30.77 | 6.99 | 0.42 | 4.83 | 10.59 | 0.24 | 42.23 |
| 5.501 | 30.77 | 6.99 | 0.5 | 4.82 | 10.5 | 0.21 | 42.23 |
| 5.521 | 30.77 | 6.99 | 0.42 | 4.82 | 10.61 | 0.25 | 42.23 |
| 5.529 | 30.77 | 6.99 | 0.5 | 4.82 | 10.54 | 0.22 | 42.23 |
| 5.562 | 30.77 | 6.99 | 0.53 | 4.82 | 10.44 | 0.22 | 42.23 |
| 5.605 | 30.77 | 6.99 | 0.42 | 4.82 | 10.35 | 0.23 | 42.23 |
| 5.636 | 30.78 | 6.99 | 0.46 | 4.83 | 10.38 | 0.25 | 42.23 |

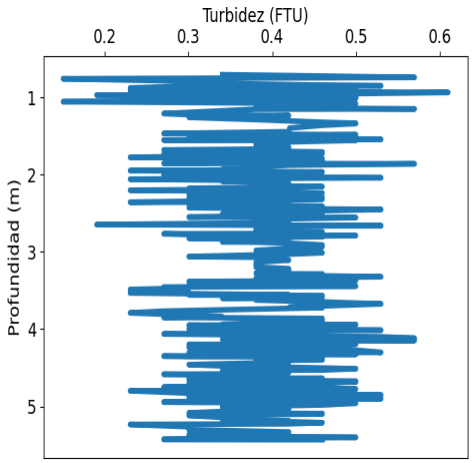
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.65 | 30.78 | 6.99 | 0.46 | 4.83 | 10.32 | 0.24 | 42.23 |
| 5.687 | 30.77 | 6.99 | 0.42 | 4.83 | 10.22 | 0.22 | 42.23 |
| 5.715 | 30.78 | 6.99 | 0.53 | 4.83 | 10.24 | 0.24 | 42.23 |
| 5.728 | 30.78 | 6.99 | 0.46 | 4.83 | 10.18 | 0.26 | 42.23 |
| 5.757 | 30.78 | 6.99 | 0.5 | 4.84 | 10.1 | 0.25 | 42.23 |
| 5.791 | 30.78 | 6.99 | 0.53 | 4.84 | 10.05 | 0.26 | 42.23 |
| 5.809 | 30.77 | 6.99 | 0.46 | 4.83 | 10.04 | 0.27 | 42.23 |
| 5.819 | 30.77 | 6.99 | 0.61 | 4.83 | 10.01 | 0.25 | 42.23 |
| 5.843 | 30.77 | 6.99 | 0.53 | 4.83 | 9.9 | 0.24 | 42.23 |
| 5.876 | 30.77 | 6.99 | 0.53 | 4.83 | 9.86 | 0.24 | 42.23 |
| 5.887 | 30.77 | 6.99 | 0.38 | 4.84 | 9.87 | 0.23 | 42.23 |
| 5.894 | 30.77 | 6.99 | 0.46 | 4.84 | 9.85 | 0.23 | 42.23 |
| 5.912 | 30.77 | 6.99 | 0.46 | 4.84 | 9.83 | 0.24 | 42.23 |
| 5.93 | 30.77 | 6.99 | 0.42 | 4.84 | 9.79 | 0.22 | 42.23 |
| 5.934 | 30.77 | 6.99 | 0.61 | 4.83 | 9.85 | 0.23 | 42.23 |
| 5.957 | 30.77 | 6.99 | 0.5 | 4.83 | 9.69 | 0.26 | 42.23 |
| 5.989 | 30.77 | 6.99 | 0.46 | 4.83 | 9.82 | 0.28 | 42.23 |
| 5.991 | 30.77 | 6.99 | 0.5 | 4.82 | 9.69 | 0.26 | 42.23 |
| 6.046 | 30.77 | 6.99 | 0.34 | 4.82 | 9.5 | 0.26 | 42.23 |
| 6.091 | 30.77 | 6.99 | 0.61 | 4.82 | 9.48 | 0.24 | 42.23 |
| 6.104 | 30.77 | 6.99 | 0.61 | 4.82 | 9.39 | 0.23 | 42.23 |
| 6.145 | 30.77 | 6.99 | 0.53 | 4.82 | 9.26 | 0.28 | 42.23 |
| 6.151 | 30.77 | 6.99 | 0.57 | 4.82 | 9.31 | 0.26 | 42.23 |
| 6.16 | 30.77 | 6.99 | 0.76 | 4.82 | 9.21 | 0.24 | 42.23 |
| 6.191 | 30.77 | 6.99 | 0.53 | 4.8 | 9.11 | 0.21 | 42.23 |
| 6.208 | 30.77 | 6.99 | 0.53 | 4.8 | 8.94 | 0.25 | 42.23 |
| 6.223 | 30.77 | 6.99 | 0.3 | 4.81 | 8.87 | 0.25 | 42.23 |
| 6.226 | 30.77 | 6.99 | 0.53 | 4.66 | 8.6 | 0.2 | 42.24 |
| 6.227 | 30.77 | 6.99 | 0.34 | 4.63 | 8.57 | 0.24 | 42.24 |
| 6.23 | 30.77 | 6.99 | 0.38 | 4.61 | 8.4 | 0.24 | 42.24 |
| 6.233 | 30.77 | 6.99 | 0.65 | 4.6 | 8.19 | 0.23 | 42.24 |
| 6.239 | 30.77 | 6.99 | 0.5 | 4.62 | 7.97 | 0.25 | 42.24 |
| 6.252 | 30.77 | 6.99 | 0.88 | 4.66 | 7.92 | 0.31 | 42.24 |
| 6.254 | 30.77 | 6.99 | 0.88 | 4.62 | 7.86 | 0.27 | 42.23 |
| 6.258 | 30.77 | 6.99 | 1.37 | 4.66 | 7.69 | 0.27 | 42.24 |

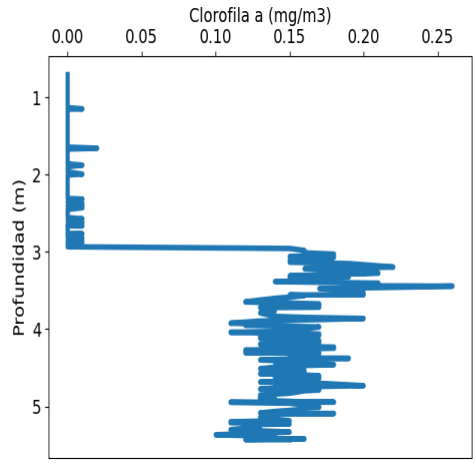
**Nombre: CTD N01 - Punto 004** **Fecha: 08/08/2022** **Hora: 06:08:25**

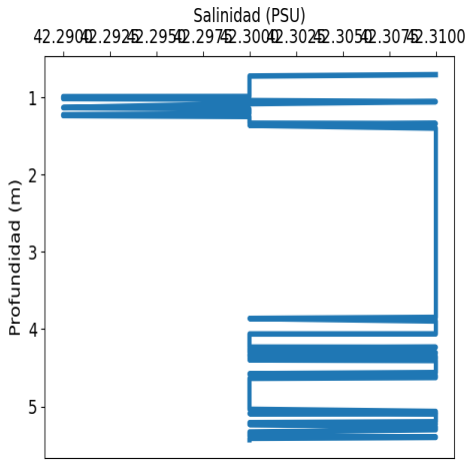


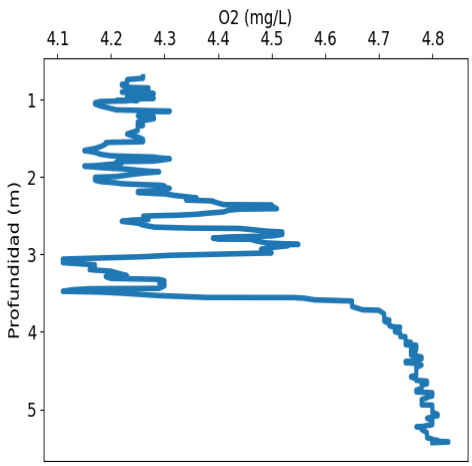



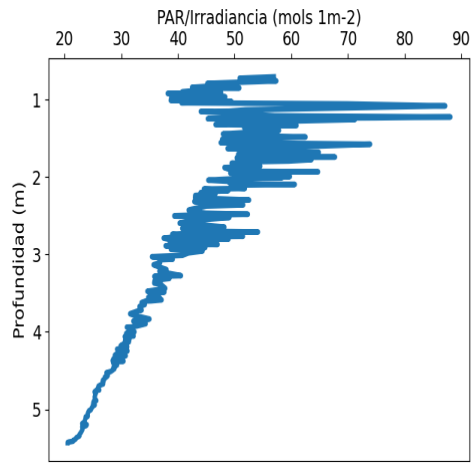




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.81 | 7.0 | 0.15 | 4.11 | 20.56 | 0.0 | 42.29 |
| **PROF (metros)** | 4.752 | 0.702 | 0.755 | 3.059 | 5.43 | 0.702 | 0.987 |
| **MÁXIMO** | 30.85 | 30.85 | 0.61 | 4.83 | 88.06 | 0.26 | 42.31 |
| **PROF (metros)** | 1.232 | 0.702 | 0.933 | 5.421 | 1.221 | 3.442 | 0.702 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N01 - Punto 004 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.83 | 7.0 | 0.38 | 4.25 | 46.23 | 0.0 | 42.3 |
| 1 - 2m | 30.83 | 7.0 | 0.39 | 4.23 | 55.03 | 0.0 | 42.31 |
| 2 - 3m | 30.83 | 7.0 | 0.39 | 4.37 | 45.45 | 0.01 | 42.31 |
| 3 - 4m | 30.83 | 7.0 | 0.39 | 4.43 | 35.39 | 0.17 | 42.31 |
| 4 - 5m | 30.83 | 7.0 | 0.4 | 4.77 | 28.5 | 0.15 | 42.3 |
| 5 - 6m | 30.82 | 7.0 | 0.37 | 4.8 | 22.95 | 0.14 | 42.3 |

| 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) |
| 0.702 | 30.84 | 7.0 | 0.34 | 4.26 | 56.93 | 0.0 | 42.31 |
| 0.72 | 30.84 | 7.0 | 0.46 | 4.26 | 50.86 | 0.0 | 42.3 |
| 0.738 | 30.83 | 7.0 | 0.57 | 4.23 | 51.88 | 0.0 | 42.3 |
| 0.755 | 30.84 | 7.0 | 0.15 | 4.23 | 57.38 | 0.0 | 42.3 |
| 0.787 | 30.84 | 7.0 | 0.3 | 4.23 | 45.18 | 0.0 | 42.3 |
| 0.799 | 30.83 | 7.0 | 0.34 | 4.22 | 48.0 | 0.0 | 42.3 |
| 0.809 | 30.83 | 7.0 | 0.3 | 4.22 | 48.63 | 0.0 | 42.3 |
| 0.838 | 30.83 | 7.0 | 0.46 | 4.23 | 42.48 | 0.0 | 42.3 |
| 0.846 | 30.83 | 7.0 | 0.53 | 4.27 | 50.86 | 0.0 | 42.3 |
| 0.85 | 30.83 | 7.0 | 0.3 | 4.27 | 44.87 | 0.0 | 42.3 |
| 0.874 | 30.83 | 7.0 | 0.23 | 4.27 | 43.94 | 0.0 | 42.3 |
| 0.898 | 30.83 | 7.0 | 0.5 | 4.22 | 40.72 | 0.0 | 42.3 |
| 0.901 | 30.83 | 7.0 | 0.42 | 4.23 | 46.24 | 0.0 | 42.3 |
| 0.907 | 30.83 | 7.0 | 0.23 | 4.24 | 47.65 | 0.0 | 42.3 |
| 0.917 | 30.83 | 7.0 | 0.3 | 4.25 | 38.19 | 0.0 | 42.3 |
| 0.919 | 30.83 | 7.0 | 0.46 | 4.28 | 47.03 | 0.0 | 42.3 |
| 0.92 | 30.83 | 7.0 | 0.42 | 4.27 | 42.4 | 0.0 | 42.3 |
| 0.933 | 30.83 | 7.0 | 0.61 | 4.24 | 41.62 | 0.0 | 42.3 |
| 0.953 | 30.83 | 7.0 | 0.46 | 4.23 | 44.13 | 0.0 | 42.3 |
| 0.961 | 30.83 | 7.0 | 0.42 | 4.26 | 48.38 | 0.0 | 42.3 |
| 0.966 | 30.83 | 7.0 | 0.19 | 4.26 | 38.8 | 0.0 | 42.3 |
| 0.979 | 30.83 | 7.0 | 0.38 | 4.28 | 46.59 | 0.0 | 42.3 |
| 0.985 | 30.83 | 7.0 | 0.23 | 4.26 | 43.96 | 0.0 | 42.3 |
| 0.987 | 30.83 | 7.0 | 0.5 | 4.23 | 44.09 | 0.0 | 42.29 |
| 0.997 | 30.83 | 7.0 | 0.3 | 4.24 | 44.91 | 0.0 | 42.29 |
| 1.006 | 30.83 | 7.0 | 0.46 | 4.25 | 38.72 | 0.0 | 42.29 |
| 1.007 | 30.83 | 7.0 | 0.42 | 4.22 | 42.56 | 0.0 | 42.29 |
| 1.01 | 30.83 | 7.0 | 0.5 | 4.21 | 40.76 | 0.0 | 42.29 |
| 1.012 | 30.83 | 7.0 | 0.38 | 4.23 | 43.22 | 0.0 | 42.29 |
| 1.021 | 30.83 | 7.0 | 0.42 | 4.18 | 49.46 | 0.0 | 42.3 |
| 1.038 | 30.83 | 7.0 | 0.27 | 4.17 | 40.62 | 0.0 | 42.3 |
| 1.052 | 30.82 | 7.0 | 0.15 | 4.17 | 69.87 | 0.0 | 42.31 |
| 1.078 | 30.82 | 7.0 | 0.5 | 4.18 | 87.15 | 0.0 | 42.3 |
| 1.129 | 30.83 | 7.0 | 0.38 | 4.21 | 52.0 | 0.0 | 42.29 |
| 1.146 | 30.83 | 7.0 | 0.57 | 4.31 | 49.02 | 0.01 | 42.3 |
| 1.15 | 30.84 | 7.0 | 0.38 | 4.28 | 44.02 | 0.0 | 42.3 |

| 1.206 | 30.84 | 7.0 | 0.27 | 4.25 | 57.05 | 0.0 | 42.3 |
|---|---|---|---|---|---|---|---|
| 1.221 | 30.84 | 7.0 | 0.3 | 4.28 | 88.06 | 0.0 | 42.29 |
| 1.232 | 30.85 | 7.0 | 0.42 | 4.28 | 74.82 | 0.0 | 42.29 |
| 1.244 | 30.84 | 7.0 | 0.38 | 4.28 | 45.26 | 0.0 | 42.3 |
| 1.255 | 30.85 | 7.0 | 0.3 | 4.27 | 71.2 | 0.0 | 42.3 |
| 1.284 | 30.85 | 7.0 | 0.38 | 4.25 | 54.2 | 0.0 | 42.3 |
| 1.319 | 30.85 | 7.0 | 0.46 | 4.25 | 46.61 | 0.0 | 42.3 |
| 1.331 | 30.84 | 7.0 | 0.5 | 4.26 | 60.94 | 0.0 | 42.3 |
| 1.336 | 30.84 | 7.0 | 0.5 | 4.25 | 55.87 | 0.0 | 42.31 |
| 1.358 | 30.84 | 7.0 | 0.46 | 4.25 | 51.66 | 0.0 | 42.3 |
| 1.395 | 30.84 | 7.0 | 0.42 | 4.25 | 57.86 | 0.0 | 42.31 |
| 1.441 | 30.84 | 7.0 | 0.42 | 4.23 | 47.92 | 0.0 | 42.31 |
| 1.465 | 30.84 | 7.0 | 0.27 | 4.24 | 54.39 | 0.0 | 42.31 |
| 1.48 | 30.84 | 7.0 | 0.5 | 4.25 | 62.53 | 0.0 | 42.31 |
| 1.511 | 30.84 | 7.0 | 0.3 | 4.26 | 47.78 | 0.0 | 42.31 |
| 1.541 | 30.84 | 7.0 | 0.53 | 4.26 | 55.19 | 0.0 | 42.31 |
| 1.549 | 30.83 | 7.0 | 0.27 | 4.2 | 51.42 | 0.0 | 42.31 |
| 1.553 | 30.83 | 7.0 | 0.5 | 4.19 | 47.52 | 0.0 | 42.31 |
| 1.573 | 30.83 | 7.0 | 0.42 | 4.19 | 73.91 | 0.0 | 42.31 |
| 1.605 | 30.83 | 7.0 | 0.38 | 4.18 | 62.11 | 0.0 | 42.31 |
| 1.629 | 30.83 | 7.0 | 0.38 | 4.17 | 48.73 | 0.0 | 42.31 |
| 1.641 | 30.83 | 7.0 | 0.42 | 4.16 | 53.82 | 0.0 | 42.31 |
| 1.655 | 30.83 | 7.0 | 0.42 | 4.15 | 54.93 | 0.02 | 42.31 |
| 1.667 | 30.83 | 7.0 | 0.38 | 4.16 | 51.72 | 0.0 | 42.31 |
| 1.678 | 30.83 | 7.0 | 0.27 | 4.17 | 64.86 | 0.0 | 42.31 |
| 1.703 | 30.83 | 7.0 | 0.46 | 4.18 | 50.61 | 0.0 | 42.31 |
| 1.723 | 30.83 | 7.0 | 0.46 | 4.2 | 58.54 | 0.0 | 42.31 |
| 1.732 | 30.83 | 7.0 | 0.27 | 4.24 | 52.47 | 0.0 | 42.31 |
| 1.739 | 30.83 | 7.0 | 0.42 | 4.28 | 67.72 | 0.0 | 42.31 |
| 1.75 | 30.83 | 7.0 | 0.42 | 4.29 | 50.35 | 0.0 | 42.31 |
| 1.762 | 30.83 | 7.0 | 0.3 | 4.31 | 51.23 | 0.0 | 42.31 |
| 1.773 | 30.83 | 7.0 | 0.23 | 4.3 | 63.56 | 0.0 | 42.31 |
| 1.791 | 30.83 | 7.0 | 0.46 | 4.28 | 59.53 | 0.0 | 42.31 |
| 1.799 | 30.83 | 7.0 | 0.46 | 4.21 | 53.55 | 0.0 | 42.31 |
| 1.819 | 30.83 | 7.0 | 0.46 | 4.22 | 49.46 | 0.0 | 42.31 |
| 1.851 | 30.83 | 7.0 | 0.27 | 4.17 | 52.57 | 0.0 | 42.31 |
| 1.857 | 30.83 | 7.0 | 0.57 | 4.15 | 54.55 | 0.0 | 42.31 |
| 1.875 | 30.83 | 7.0 | 0.42 | 4.18 | 48.18 | 0.01 | 42.31 |
| 1.895 | 30.83 | 7.0 | 0.38 | 4.23 | 48.93 | 0.0 | 42.31 |
| 1.91 | 30.83 | 7.0 | 0.38 | 4.25 | 50.54 | 0.0 | 42.31 |
| 1.922 | 30.83 | 7.0 | 0.38 | 4.27 | 50.66 | 0.0 | 42.31 |
| 1.93 | 30.83 | 7.0 | 0.34 | 4.29 | 64.74 | 0.0 | 42.31 |
| 1.936 | 30.83 | 7.0 | 0.38 | 4.28 | 51.42 | 0.0 | 42.31 |
| 1.946 | 30.83 | 7.0 | 0.23 | 4.26 | 49.21 | 0.0 | 42.31 |
| 1.963 | 30.83 | 7.0 | 0.46 | 4.24 | 51.61 | 0.0 | 42.31 |
| 1.991 | 30.83 | 7.0 | 0.3 | 4.21 | 59.77 | 0.01 | 42.31 |
| 2.001 | 30.82 | 7.0 | 0.42 | 4.17 | 52.81 | 0.0 | 42.31 |
| 2.003 | 30.83 | 7.0 | 0.27 | 4.17 | 58.45 | 0.0 | 42.31 |
| 2.02 | 30.83 | 7.0 | 0.3 | 4.17 | 49.82 | 0.0 | 42.31 |
| 2.038 | 30.83 | 7.0 | 0.53 | 4.17 | 45.34 | 0.0 | 42.31 |
| 2.056 | 30.83 | 7.0 | 0.23 | 4.18 | 49.64 | 0.0 | 42.31 |
| 2.074 | 30.83 | 7.0 | 0.38 | 4.21 | 49.1 | 0.0 | 42.31 |
| 2.084 | 30.83 | 7.0 | 0.34 | 4.22 | 51.56 | 0.0 | 42.31 |
| 2.093 | 30.83 | 7.0 | 0.38 | 4.25 | 60.63 | 0.0 | 42.31 |
| 2.103 | 30.83 | 7.0 | 0.38 | 4.29 | 49.5 | 0.0 | 42.31 |
| 2.112 | 30.83 | 7.0 | 0.42 | 4.3 | 49.38 | 0.0 | 42.31 |
| 2.133 | 30.83 | 7.0 | 0.38 | 4.3 | 49.29 | 0.0 | 42.31 |
| 2.145 | 30.83 | 7.0 | 0.42 | 4.31 | 51.84 | 0.0 | 42.31 |

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| 2.153 | 30.83 | 7.0 | 0.46 | 4.3 | 44.56 | 0.0 | 42.31 |
| 2.174 | 30.83 | 7.0 | 0.3 | 4.28 | 48.9 | 0.0 | 42.31 |
| 2.184 | 30.82 | 7.0 | 0.42 | 4.25 | 46.19 | 0.0 | 42.31 |
| 2.199 | 30.82 | 7.0 | 0.23 | 4.25 | 44.0 | 0.0 | 42.31 |
| 2.216 | 30.82 | 7.0 | 0.38 | 4.3 | 46.66 | 0.0 | 42.31 |
| 2.236 | 30.82 | 7.0 | 0.46 | 4.32 | 43.04 | 0.0 | 42.31 |
| 2.267 | 30.82 | 7.0 | 0.3 | 4.36 | 43.01 | 0.0 | 42.31 |
| 2.295 | 30.82 | 7.0 | 0.46 | 4.34 | 52.58 | 0.0 | 42.31 |
| 2.307 | 30.82 | 7.0 | 0.3 | 4.39 | 47.72 | 0.0 | 42.31 |
| 2.314 | 30.82 | 7.0 | 0.46 | 4.39 | 42.87 | 0.01 | 42.31 |
| 2.354 | 30.82 | 7.0 | 0.23 | 4.41 | 50.02 | 0.0 | 42.31 |
| 2.358 | 30.83 | 7.0 | 0.42 | 4.5 | 51.54 | 0.0 | 42.31 |
| 2.373 | 30.83 | 7.0 | 0.3 | 4.5 | 45.03 | 0.01 | 42.31 |
| 2.406 | 30.83 | 7.0 | 0.46 | 4.51 | 42.95 | 0.0 | 42.31 |
| 2.413 | 30.83 | 7.0 | 0.38 | 4.44 | 42.48 | 0.01 | 42.31 |
| 2.426 | 30.83 | 7.0 | 0.3 | 4.42 | 41.88 | 0.01 | 42.31 |
| 2.449 | 30.83 | 7.0 | 0.53 | 4.41 | 42.96 | 0.0 | 42.31 |
| 2.465 | 30.83 | 7.0 | 0.46 | 4.38 | 44.92 | 0.0 | 42.31 |
| 2.479 | 30.83 | 7.0 | 0.46 | 4.36 | 52.36 | 0.0 | 42.31 |
| 2.492 | 30.83 | 7.0 | 0.38 | 4.32 | 41.76 | 0.0 | 42.31 |
| 2.498 | 30.83 | 7.0 | 0.42 | 4.28 | 39.36 | 0.0 | 42.31 |
| 2.503 | 30.83 | 7.0 | 0.34 | 4.26 | 39.37 | 0.0 | 42.31 |
| 2.52 | 30.83 | 7.0 | 0.46 | 4.26 | 49.09 | 0.0 | 42.31 |
| 2.547 | 30.83 | 7.0 | 0.3 | 4.27 | 44.85 | 0.0 | 42.31 |
| 2.554 | 30.83 | 7.0 | 0.5 | 4.24 | 43.35 | 0.0 | 42.31 |
| 2.57 | 30.83 | 7.0 | 0.42 | 4.22 | 41.83 | 0.01 | 42.31 |
| 2.594 | 30.83 | 7.0 | 0.38 | 4.25 | 40.29 | 0.0 | 42.31 |
| 2.618 | 30.83 | 7.0 | 0.42 | 4.26 | 44.59 | 0.01 | 42.31 |
| 2.645 | 30.83 | 7.0 | 0.19 | 4.28 | 48.22 | 0.0 | 42.31 |
| 2.658 | 30.83 | 7.0 | 0.53 | 4.35 | 44.08 | 0.0 | 42.31 |
| 2.661 | 30.83 | 7.0 | 0.53 | 4.4 | 42.15 | 0.01 | 42.31 |
| 2.662 | 30.83 | 7.0 | 0.42 | 4.44 | 40.74 | 0.0 | 42.31 |
| 2.676 | 30.83 | 7.0 | 0.42 | 4.46 | 44.18 | 0.0 | 42.31 |
| 2.697 | 30.84 | 7.0 | 0.38 | 4.49 | 43.43 | 0.0 | 42.31 |
| 2.708 | 30.84 | 7.0 | 0.42 | 4.52 | 54.15 | 0.0 | 42.31 |
| 2.714 | 30.84 | 7.0 | 0.38 | 4.52 | 48.34 | 0.0 | 42.31 |
| 2.726 | 30.84 | 7.0 | 0.38 | 4.52 | 42.11 | 0.0 | 42.31 |
| 2.738 | 30.84 | 7.0 | 0.46 | 4.52 | 38.99 | 0.0 | 42.31 |
| 2.75 | 30.84 | 7.0 | 0.46 | 4.51 | 40.48 | 0.0 | 42.31 |
| 2.759 | 30.84 | 7.0 | 0.46 | 4.5 | 49.47 | 0.0 | 42.31 |
| 2.764 | 30.83 | 7.0 | 0.27 | 4.47 | 51.5 | 0.01 | 42.31 |
| 2.773 | 30.83 | 7.0 | 0.3 | 4.42 | 39.6 | 0.0 | 42.31 |
| 2.787 | 30.83 | 7.0 | 0.5 | 4.39 | 37.47 | 0.0 | 42.31 |
| 2.8 | 30.84 | 7.0 | 0.38 | 4.4 | 38.22 | 0.0 | 42.31 |
| 2.801 | 30.83 | 7.0 | 0.3 | 4.44 | 48.94 | 0.0 | 42.31 |
| 2.802 | 30.83 | 7.0 | 0.46 | 4.46 | 42.43 | 0.0 | 42.31 |
| 2.821 | 30.83 | 7.0 | 0.3 | 4.47 | 40.02 | 0.01 | 42.31 |
| 2.85 | 30.83 | 7.0 | 0.42 | 4.49 | 38.56 | 0.0 | 42.31 |
| 2.869 | 30.83 | 7.0 | 0.34 | 4.55 | 47.03 | 0.01 | 42.31 |
| 2.872 | 30.83 | 7.0 | 0.38 | 4.53 | 42.14 | 0.0 | 42.31 |
| 2.887 | 30.83 | 7.0 | 0.42 | 4.53 | 37.82 | 0.0 | 42.31 |
| 2.909 | 30.83 | 7.0 | 0.46 | 4.5 | 44.85 | 0.0 | 42.31 |
| 2.932 | 30.83 | 7.0 | 0.46 | 4.48 | 38.75 | 0.0 | 42.31 |
| 2.954 | 30.83 | 7.0 | 0.42 | 4.49 | 44.37 | 0.15 | 42.31 |
| 2.979 | 30.83 | 7.0 | 0.38 | 4.5 | 41.85 | 0.16 | 42.31 |
| 3.01 | 30.83 | 7.0 | 0.46 | 4.31 | 40.82 | 0.16 | 42.31 |
| 3.028 | 30.83 | 7.0 | 0.42 | 4.26 | 35.41 | 0.18 | 42.31 |
| 3.059 | 30.83 | 7.0 | 0.3 | 4.11 | 39.13 | 0.15 | 42.31 |

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|---|---|---|---|---|---|---|---|
| 3.068 | 30.83 | 7.0 | 0.38 | 4.11 | 36.74 | 0.18 | 42.31 |
| 3.105 | 30.83 | 7.0 | 0.42 | 4.11 | 36.89 | 0.15 | 42.31 |
| 3.132 | 30.83 | 7.0 | 0.38 | 4.17 | 35.7 | 0.15 | 42.31 |
| 3.15 | 30.83 | 7.0 | 0.38 | 4.17 | 36.32 | 0.19 | 42.31 |
| 3.195 | 30.83 | 7.0 | 0.38 | 4.16 | 38.02 | 0.22 | 42.31 |
| 3.216 | 30.83 | 7.0 | 0.42 | 4.2 | 36.72 | 0.16 | 42.31 |
| 3.236 | 30.83 | 7.0 | 0.42 | 4.21 | 37.96 | 0.2 | 42.31 |
| 3.273 | 30.83 | 7.0 | 0.38 | 4.23 | 40.56 | 0.21 | 42.31 |
| 3.283 | 30.83 | 7.0 | 0.42 | 4.21 | 35.82 | 0.2 | 42.31 |
| 3.284 | 30.83 | 7.0 | 0.46 | 4.19 | 37.83 | 0.18 | 42.31 |
| 3.309 | 30.83 | 7.0 | 0.46 | 4.2 | 38.52 | 0.15 | 42.31 |
| 3.321 | 30.83 | 7.0 | 0.53 | 4.29 | 37.16 | 0.19 | 42.31 |
| 3.339 | 30.83 | 7.0 | 0.38 | 4.3 | 35.87 | 0.15 | 42.31 |
| 3.369 | 30.83 | 7.0 | 0.5 | 4.29 | 35.81 | 0.17 | 42.31 |
| 3.383 | 30.83 | 7.0 | 0.3 | 4.3 | 37.03 | 0.14 | 42.31 |
| 3.404 | 30.83 | 7.0 | 0.46 | 4.3 | 37.28 | 0.21 | 42.31 |
| 3.437 | 30.83 | 7.0 | 0.3 | 4.29 | 37.8 | 0.19 | 42.31 |
| 3.442 | 30.83 | 7.0 | 0.5 | 4.16 | 36.92 | 0.26 | 42.31 |
| 3.454 | 30.83 | 7.0 | 0.27 | 4.13 | 36.41 | 0.23 | 42.31 |
| 3.475 | 30.83 | 7.0 | 0.27 | 4.11 | 34.61 | 0.17 | 42.31 |
| 3.485 | 30.83 | 7.0 | 0.23 | 4.18 | 37.65 | 0.18 | 42.31 |
| 3.499 | 30.83 | 7.0 | 0.3 | 4.22 | 35.84 | 0.19 | 42.31 |
| 3.531 | 30.83 | 7.0 | 0.23 | 4.29 | 35.6 | 0.2 | 42.31 |
| 3.555 | 30.83 | 7.0 | 0.42 | 4.38 | 34.74 | 0.2 | 42.31 |
| 3.556 | 30.83 | 7.0 | 0.3 | 4.54 | 36.79 | 0.15 | 42.31 |
| 3.564 | 30.83 | 7.0 | 0.46 | 4.56 | 36.59 | 0.16 | 42.31 |
| 3.586 | 30.83 | 7.0 | 0.46 | 4.58 | 37.16 | 0.15 | 42.31 |
| 3.599 | 30.83 | 7.0 | 0.34 | 4.64 | 35.27 | 0.14 | 42.31 |
| 3.601 | 30.83 | 7.0 | 0.38 | 4.65 | 34.33 | 0.14 | 42.31 |
| 3.622 | 30.83 | 7.0 | 0.38 | 4.65 | 33.58 | 0.13 | 42.31 |
| 3.647 | 30.83 | 7.0 | 0.46 | 4.65 | 34.19 | 0.12 | 42.31 |
| 3.672 | 30.83 | 7.0 | 0.53 | 4.65 | 33.21 | 0.17 | 42.31 |
| 3.715 | 30.83 | 7.0 | 0.42 | 4.67 | 33.43 | 0.17 | 42.31 |
| 3.718 | 30.83 | 7.0 | 0.46 | 4.69 | 33.64 | 0.15 | 42.31 |
| 3.721 | 30.83 | 7.0 | 0.46 | 4.7 | 33.25 | 0.13 | 42.31 |
| 3.766 | 30.83 | 7.0 | 0.27 | 4.71 | 31.56 | 0.14 | 42.31 |
| 3.789 | 30.83 | 7.0 | 0.23 | 4.71 | 32.44 | 0.13 | 42.31 |
| 3.834 | 30.83 | 7.0 | 0.34 | 4.71 | 35.02 | 0.14 | 42.31 |
| 3.847 | 30.83 | 7.0 | 0.27 | 4.72 | 32.59 | 0.16 | 42.31 |
| 3.861 | 30.83 | 7.0 | 0.46 | 4.71 | 32.12 | 0.2 | 42.3 |
| 3.894 | 30.83 | 7.0 | 0.46 | 4.72 | 34.36 | 0.13 | 42.31 |
| 3.922 | 30.83 | 7.0 | 0.38 | 4.72 | 32.89 | 0.11 | 42.31 |
| 3.937 | 30.83 | 7.0 | 0.34 | 4.73 | 31.81 | 0.14 | 42.31 |
| 3.939 | 30.83 | 7.0 | 0.5 | 4.74 | 30.98 | 0.13 | 42.31 |
| 3.948 | 30.83 | 7.0 | 0.3 | 4.74 | 31.34 | 0.12 | 42.31 |
| 3.971 | 30.83 | 7.0 | 0.42 | 4.73 | 31.38 | 0.17 | 42.31 |
| 3.999 | 30.83 | 7.0 | 0.3 | 4.73 | 32.38 | 0.16 | 42.31 |
| 4.013 | 30.83 | 7.0 | 0.53 | 4.74 | 31.96 | 0.14 | 42.31 |
| 4.015 | 30.83 | 7.0 | 0.38 | 4.74 | 31.0 | 0.14 | 42.31 |
| 4.02 | 30.83 | 7.0 | 0.38 | 4.74 | 30.87 | 0.15 | 42.31 |
| 4.029 | 30.83 | 7.0 | 0.38 | 4.74 | 31.81 | 0.14 | 42.31 |
| 4.04 | 30.83 | 7.0 | 0.38 | 4.74 | 31.88 | 0.11 | 42.31 |
| 4.053 | 30.83 | 7.0 | 0.42 | 4.74 | 32.23 | 0.14 | 42.31 |
| 4.061 | 30.83 | 7.0 | 0.38 | 4.74 | 31.14 | 0.16 | 42.31 |
| 4.062 | 30.83 | 7.0 | 0.27 | 4.75 | 30.6 | 0.17 | 42.3 |
| 4.078 | 30.83 | 7.0 | 0.42 | 4.75 | 31.32 | 0.17 | 42.3 |
| 4.099 | 30.83 | 7.0 | 0.53 | 4.75 | 31.47 | 0.13 | 42.3 |
| 4.117 | 30.83 | 7.0 | 0.57 | 4.75 | 30.64 | 0.13 | 42.3 |

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| 4.13 | 30.83 | 7.0 | 0.34 | 4.75 | 31.39 | 0.15 | 42.3 |
| 4.135 | 30.83 | 7.0 | 0.46 | 4.76 | 31.09 | 0.16 | 42.3 |
| 4.146 | 30.83 | 7.0 | 0.57 | 4.76 | 30.87 | 0.17 | 42.3 |
| 4.16 | 30.83 | 7.0 | 0.38 | 4.75 | 30.35 | 0.14 | 42.3 |
| 4.166 | 30.83 | 7.0 | 0.38 | 4.75 | 30.17 | 0.16 | 42.3 |
| 4.17 | 30.83 | 7.0 | 0.42 | 4.76 | 30.95 | 0.14 | 42.3 |
| 4.172 | 30.83 | 7.0 | 0.42 | 4.77 | 30.82 | 0.17 | 42.3 |
| 4.179 | 30.83 | 7.0 | 0.42 | 4.77 | 29.9 | 0.14 | 42.3 |
| 4.188 | 30.83 | 7.0 | 0.34 | 4.76 | 29.88 | 0.16 | 42.3 |
| 4.193 | 30.83 | 7.0 | 0.5 | 4.77 | 31.1 | 0.13 | 42.3 |
| 4.197 | 30.83 | 7.0 | 0.3 | 4.76 | 30.97 | 0.13 | 42.3 |
| 4.21 | 30.83 | 7.0 | 0.46 | 4.77 | 30.32 | 0.16 | 42.3 |
| 4.224 | 30.83 | 7.0 | 0.38 | 4.77 | 29.26 | 0.15 | 42.3 |
| 4.232 | 30.83 | 7.0 | 0.42 | 4.77 | 29.92 | 0.18 | 42.3 |
| 4.234 | 30.83 | 7.0 | 0.3 | 4.76 | 30.11 | 0.18 | 42.31 |
| 4.246 | 30.83 | 7.0 | 0.46 | 4.76 | 31.15 | 0.18 | 42.3 |
| 4.272 | 30.83 | 7.0 | 0.5 | 4.76 | 29.53 | 0.12 | 42.3 |
| 4.301 | 30.83 | 7.0 | 0.53 | 4.76 | 28.87 | 0.16 | 42.3 |
| 4.304 | 30.83 | 7.0 | 0.3 | 4.77 | 30.02 | 0.12 | 42.31 |
| 4.308 | 30.83 | 7.0 | 0.38 | 4.77 | 30.84 | 0.17 | 42.31 |
| 4.326 | 30.83 | 7.0 | 0.5 | 4.78 | 29.96 | 0.16 | 42.3 |
| 4.349 | 30.83 | 7.0 | 0.27 | 4.78 | 28.63 | 0.15 | 42.3 |
| 4.356 | 30.83 | 7.0 | 0.3 | 4.77 | 29.68 | 0.17 | 42.31 |
| 4.358 | 30.83 | 7.0 | 0.46 | 4.77 | 29.28 | 0.16 | 42.31 |
| 4.372 | 30.83 | 7.0 | 0.46 | 4.77 | 28.47 | 0.15 | 42.3 |
| 4.378 | 30.83 | 7.0 | 0.42 | 4.76 | 30.44 | 0.19 | 42.31 |
| 4.381 | 30.83 | 7.0 | 0.46 | 4.75 | 29.57 | 0.16 | 42.31 |
| 4.398 | 30.83 | 7.0 | 0.46 | 4.75 | 28.56 | 0.13 | 42.3 |
| 4.406 | 30.83 | 7.0 | 0.38 | 4.77 | 29.06 | 0.14 | 42.31 |
| 4.428 | 30.83 | 7.0 | 0.42 | 4.78 | 29.3 | 0.14 | 42.31 |
| 4.459 | 30.83 | 7.0 | 0.3 | 4.77 | 28.63 | 0.18 | 42.31 |
| 4.476 | 30.83 | 7.0 | 0.34 | 4.77 | 28.83 | 0.15 | 42.31 |
| 4.512 | 30.83 | 7.0 | 0.5 | 4.77 | 28.17 | 0.13 | 42.31 |
| 4.529 | 30.83 | 7.0 | 0.46 | 4.77 | 27.38 | 0.14 | 42.31 |
| 4.533 | 30.83 | 7.0 | 0.34 | 4.77 | 27.63 | 0.16 | 42.31 |
| 4.562 | 30.83 | 7.0 | 0.42 | 4.77 | 27.67 | 0.16 | 42.31 |
| 4.577 | 30.82 | 7.0 | 0.38 | 4.76 | 27.53 | 0.13 | 42.3 |
| 4.584 | 30.82 | 7.0 | 0.27 | 4.76 | 27.12 | 0.15 | 42.3 |
| 4.604 | 30.82 | 7.0 | 0.38 | 4.77 | 27.14 | 0.17 | 42.31 |
| 4.626 | 30.82 | 7.0 | 0.3 | 4.77 | 26.76 | 0.14 | 42.31 |
| 4.637 | 30.82 | 7.0 | 0.46 | 4.79 | 26.92 | 0.17 | 42.3 |
| 4.651 | 30.82 | 7.0 | 0.3 | 4.79 | 26.76 | 0.15 | 42.3 |
| 4.673 | 30.82 | 7.0 | 0.5 | 4.79 | 26.85 | 0.15 | 42.3 |
| 4.685 | 30.82 | 7.0 | 0.5 | 4.78 | 26.4 | 0.13 | 42.3 |
| 4.701 | 30.82 | 7.0 | 0.3 | 4.78 | 26.01 | 0.17 | 42.3 |
| 4.732 | 30.82 | 7.0 | 0.38 | 4.78 | 25.87 | 0.2 | 42.3 |
| 4.751 | 30.82 | 7.0 | 0.27 | 4.77 | 26.16 | 0.14 | 42.3 |
| 4.752 | 30.81 | 7.0 | 0.46 | 4.77 | 25.68 | 0.15 | 42.3 |
| 4.776 | 30.81 | 7.0 | 0.5 | 4.77 | 25.29 | 0.13 | 42.3 |
| 4.787 | 30.82 | 7.0 | 0.42 | 4.8 | 25.6 | 0.17 | 42.3 |
| 4.798 | 30.82 | 7.0 | 0.23 | 4.8 | 25.44 | 0.16 | 42.3 |
| 4.829 | 30.82 | 7.0 | 0.3 | 4.8 | 25.41 | 0.15 | 42.3 |
| 4.841 | 30.82 | 7.0 | 0.38 | 4.79 | 25.31 | 0.14 | 42.3 |
| 4.853 | 30.82 | 7.0 | 0.53 | 4.79 | 25.34 | 0.13 | 42.3 |
| 4.873 | 30.82 | 7.0 | 0.3 | 4.78 | 25.37 | 0.13 | 42.3 |
| 4.888 | 30.82 | 7.0 | 0.3 | 4.78 | 25.64 | 0.13 | 42.3 |
| 4.89 | 30.82 | 7.0 | 0.42 | 4.78 | 25.43 | 0.14 | 42.3 |
| 4.9 | 30.82 | 7.0 | 0.53 | 4.78 | 25.15 | 0.13 | 42.3 |

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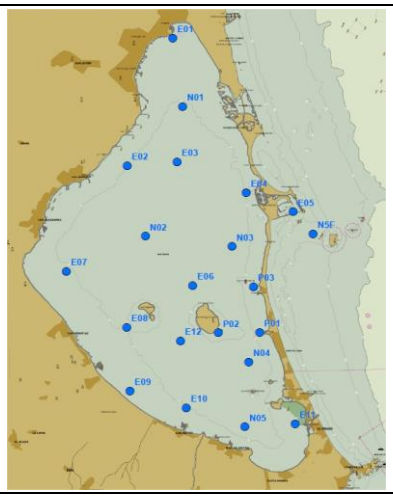
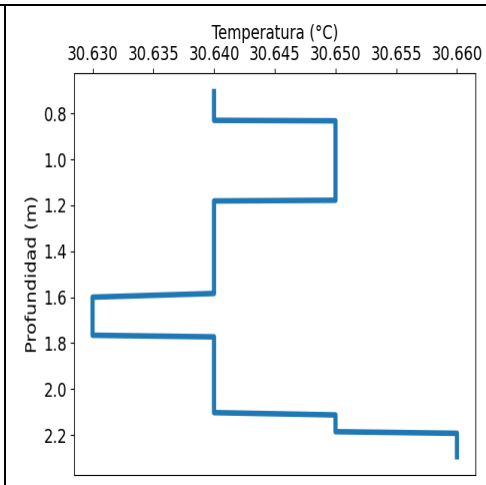
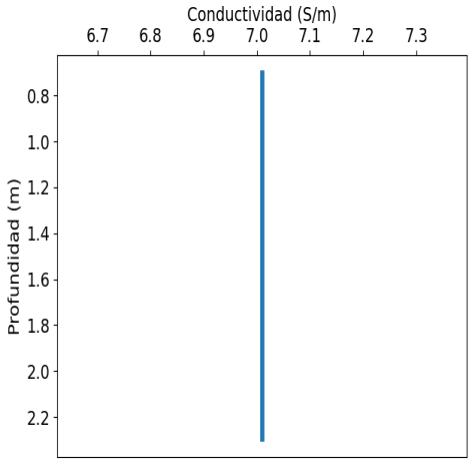
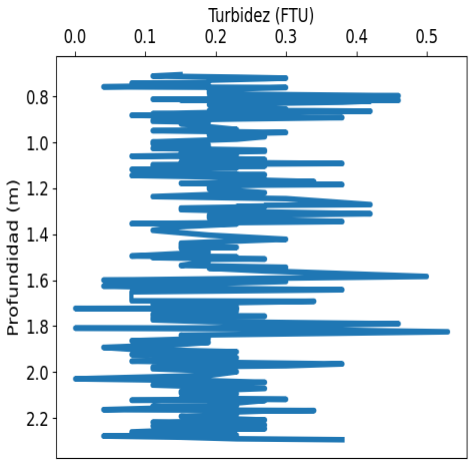
| 4.92 | 30.82 | 7.0 | 0.42 | 4.78 | 25.07 | 0.13 | 42.3 |
| 4.943 | 30.82 | 7.0 | 0.27 | 4.78 | 25.38 | 0.16 | 42.3 |
| 4.945 | 30.82 | 7.0 | 0.27 | 4.8 | 25.36 | 0.18 | 42.3 |
| 4.946 | 30.82 | 7.0 | 0.27 | 4.8 | 25.04 | 0.11 | 42.3 |
| 4.959 | 30.82 | 7.0 | 0.5 | 4.8 | 25.07 | 0.15 | 42.3 |
| 4.982 | 30.82 | 7.0 | 0.46 | 4.8 | 24.82 | 0.16 | 42.3 |
| 5.005 | 30.82 | 7.0 | 0.34 | 4.8 | 24.69 | 0.17 | 42.3 |
| 5.012 | 30.82 | 7.0 | 0.42 | 4.8 | 24.56 | 0.17 | 42.3 |
| 5.017 | 30.82 | 7.0 | 0.34 | 4.8 | 24.37 | 0.16 | 42.3 |
| 5.038 | 30.82 | 7.0 | 0.42 | 4.8 | 24.19 | 0.16 | 42.3 |
| 5.066 | 30.82 | 7.0 | 0.34 | 4.81 | 24.07 | 0.14 | 42.31 |
| 5.085 | 30.82 | 7.0 | 0.3 | 4.81 | 24.15 | 0.13 | 42.31 |
| 5.093 | 30.82 | 7.0 | 0.46 | 4.8 | 24.11 | 0.18 | 42.3 |
| 5.099 | 30.82 | 7.0 | 0.46 | 4.8 | 23.73 | 0.14 | 42.31 |
| 5.117 | 30.82 | 7.0 | 0.3 | 4.79 | 23.7 | 0.14 | 42.31 |
| 5.143 | 30.82 | 7.0 | 0.34 | 4.8 | 23.62 | 0.13 | 42.31 |
| 5.167 | 30.82 | 7.0 | 0.34 | 4.8 | 23.57 | 0.14 | 42.31 |
| 5.186 | 30.82 | 7.0 | 0.42 | 4.8 | 23.11 | 0.15 | 42.31 |
| 5.199 | 30.82 | 7.0 | 0.42 | 4.8 | 23.96 | 0.11 | 42.31 |
| 5.211 | 30.82 | 7.0 | 0.46 | 4.79 | 23.86 | 0.11 | 42.3 |
| 5.226 | 30.82 | 7.0 | 0.42 | 4.78 | 23.16 | 0.15 | 42.3 |
| 5.228 | 30.82 | 7.0 | 0.38 | 4.77 | 23.11 | 0.15 | 42.31 |
| 5.234 | 30.83 | 7.0 | 0.23 | 4.78 | 23.3 | 0.12 | 42.3 |
| 5.264 | 30.82 | 7.0 | 0.3 | 4.78 | 23.18 | 0.13 | 42.31 |
| 5.302 | 30.83 | 7.0 | 0.3 | 4.79 | 22.9 | 0.11 | 42.31 |
| 5.332 | 30.83 | 7.0 | 0.42 | 4.79 | 22.62 | 0.15 | 42.3 |
| 5.346 | 30.83 | 7.0 | 0.42 | 4.79 | 22.65 | 0.13 | 42.3 |
| 5.368 | 30.83 | 7.0 | 0.3 | 4.79 | 22.1 | 0.1 | 42.3 |
| 5.387 | 30.83 | 7.0 | 0.3 | 4.8 | 21.96 | 0.14 | 42.3 |
| 5.395 | 30.83 | 7.0 | 0.46 | 4.8 | 21.78 | 0.14 | 42.31 |
| 5.402 | 30.83 | 7.0 | 0.5 | 4.81 | 21.59 | 0.13 | 42.31 |
| 5.414 | 30.83 | 7.0 | 0.38 | 4.81 | 21.53 | 0.12 | 42.3 |
| 5.421 | 30.82 | 7.0 | 0.3 | 4.83 | 20.91 | 0.16 | 42.3 |
| 5.424 | 30.82 | 7.0 | 0.27 | 4.83 | 20.77 | 0.14 | 42.3 |
| 5.43 | 30.82 | 7.0 | 0.27 | 4.81 | 20.56 | 0.12 | 42.3 |
| 5.432 | 30.82 | 7.0 | 0.46 | 4.8 | 20.56 | 0.15 | 42.3 |

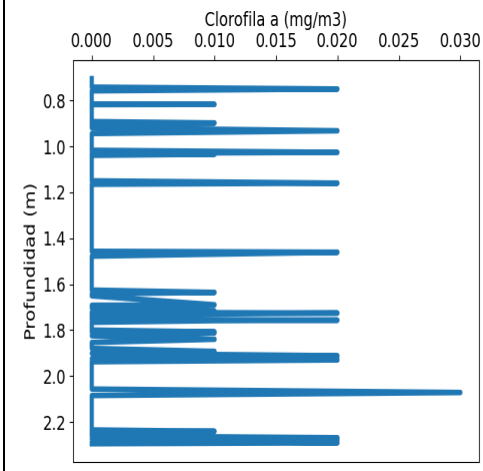
**Nombre: CTD E01 - Punto 005** **Fecha: 08/08/2022** **Hora: 07:08:32**

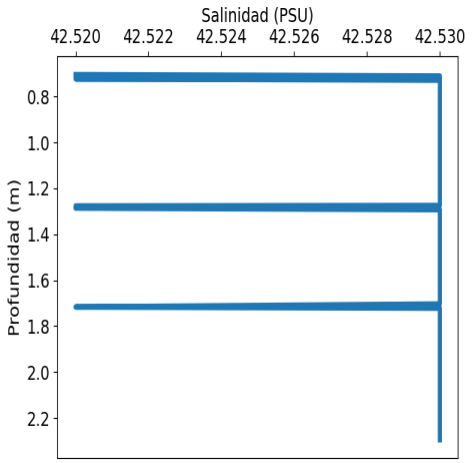


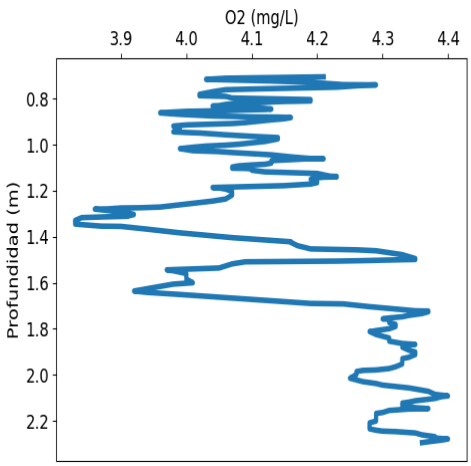



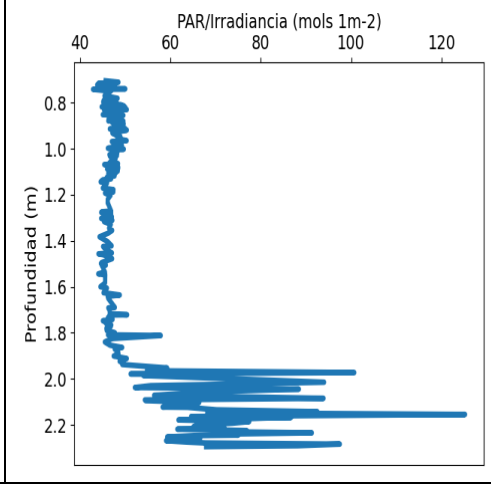




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.63 | 7.01 | 0.0 | 3.83 | 42.9 | 0.0 | 42.52 |
| **PROF (metros)** | 1.6 | 0.705 | 1.723 | 1.329 | 0.742 | 0.705 | 0.705 |
| **MÁXIMO** | 30.66 | 30.66 | 0.53 | 4.4 | 125.16 | 0.03 | 42.53 |
| **PROF (metros)** | 2.193 | 0.705 | 1.825 | 2.092 | 2.155 | 2.072 | 0.711 |

| 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 | 30.65 | 7.01 | 0.23 | 4.09 | 47.41 | 0.0 | 42.53 |
| 1 - 2m | 30.64 | 7.01 | 0.2 | 4.14 | 47.69 | 0.0 | 42.53 |
| 2 - 3m | 30.65 | 7.01 | 0.19 | 4.33 | 72.41 | 0.0 | 42.53 |

| 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 | 30.64 | 7.01 | 0.15 | 4.21 | 45.69 | 0.0 | 42.52 |
| 0.711 | 30.64 | 7.01 | 0.11 | 4.06 | 48.56 | 0.0 | 42.53 |
| 0.716 | 30.64 | 7.01 | 0.23 | 4.03 | 44.11 | 0.0 | 42.53 |
| 0.72 | 30.64 | 7.01 | 0.3 | 4.09 | 47.87 | 0.0 | 42.53 |
| 0.723 | 30.64 | 7.01 | 0.27 | 4.13 | 43.81 | 0.0 | 42.52 |
| 0.729 | 30.64 | 7.01 | 0.19 | 4.19 | 44.46 | 0.0 | 42.53 |
| 0.739 | 30.64 | 7.01 | 0.19 | 4.24 | 44.83 | 0.0 | 42.53 |
| 0.74 | 30.64 | 7.01 | 0.15 | 4.29 | 50.07 | 0.0 | 42.53 |
| 0.742 | 30.64 | 7.01 | 0.08 | 4.27 | 42.9 | 0.0 | 42.53 |
| 0.75 | 30.64 | 7.01 | 0.19 | 4.23 | 46.88 | 0.02 | 42.53 |
| 0.758 | 30.64 | 7.01 | 0.04 | 4.1 | 46.03 | 0.0 | 42.53 |
| 0.761 | 30.64 | 7.01 | 0.3 | 4.06 | 46.4 | 0.0 | 42.53 |
| 0.77 | 30.64 | 7.01 | 0.19 | 4.04 | 45.44 | 0.0 | 42.53 |
| 0.781 | 30.64 | 7.01 | 0.19 | 4.02 | 48.36 | 0.0 | 42.53 |
| 0.787 | 30.64 | 7.01 | 0.19 | 4.02 | 47.89 | 0.0 | 42.53 |
| 0.79 | 30.64 | 7.01 | 0.23 | 4.06 | 45.26 | 0.0 | 42.53 |
| 0.797 | 30.64 | 7.01 | 0.46 | 4.07 | 45.15 | 0.0 | 42.53 |
| 0.803 | 30.64 | 7.01 | 0.23 | 4.17 | 48.18 | 0.0 | 42.53 |
| 0.804 | 30.64 | 7.01 | 0.19 | 4.19 | 45.71 | 0.0 | 42.53 |
| 0.81 | 30.64 | 7.01 | 0.42 | 4.19 | 49.22 | 0.0 | 42.53 |
| 0.812 | 30.64 | 7.01 | 0.11 | 4.15 | 45.83 | 0.0 | 42.53 |
| 0.814 | 30.64 | 7.01 | 0.19 | 4.13 | 49.77 | 0.0 | 42.53 |
| 0.816 | 30.64 | 7.01 | 0.15 | 4.12 | 45.59 | 0.0 | 42.53 |
| 0.817 | 30.64 | 7.01 | 0.46 | 4.1 | 49.39 | 0.01 | 42.53 |
| 0.818 | 30.64 | 7.01 | 0.3 | 4.09 | 44.81 | 0.0 | 42.53 |
| 0.819 | 30.64 | 7.01 | 0.19 | 4.08 | 45.5 | 0.0 | 42.53 |
| 0.82 | 30.64 | 7.01 | 0.42 | 4.08 | 50.06 | 0.0 | 42.53 |
| 0.825 | 30.64 | 7.01 | 0.38 | 4.06 | 46.64 | 0.0 | 42.53 |
| 0.83 | 30.64 | 7.01 | 0.27 | 4.05 | 50.4 | 0.0 | 42.53 |
| 0.832 | 30.65 | 7.01 | 0.27 | 4.04 | 45.36 | 0.0 | 42.53 |
| 0.836 | 30.65 | 7.01 | 0.19 | 4.08 | 48.72 | 0.0 | 42.53 |
| 0.84 | 30.65 | 7.01 | 0.27 | 4.11 | 46.48 | 0.0 | 42.53 |
| 0.845 | 30.65 | 7.01 | 0.23 | 4.13 | 47.79 | 0.0 | 42.53 |
| 0.847 | 30.65 | 7.01 | 0.23 | 4.12 | 47.97 | 0.0 | 42.53 |
| 0.849 | 30.65 | 7.01 | 0.27 | 4.09 | 48.82 | 0.0 | 42.53 |
| 0.852 | 30.65 | 7.01 | 0.27 | 4.06 | 45.05 | 0.0 | 42.53 |
| 0.855 | 30.65 | 7.01 | 0.3 | 4.0 | 49.64 | 0.0 | 42.53 |
| 0.861 | 30.65 | 7.01 | 0.19 | 3.96 | 46.94 | 0.0 | 42.53 |
| 0.862 | 30.65 | 7.01 | 0.34 | 3.96 | 47.22 | 0.0 | 42.53 |

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|---|---|---|---|---|---|---|---|
| 0.864 | 30.65 | 7.01 | 0.42 | 3.97 | 47.87 | 0.0 | 42.53 |
| 0.868 | 30.65 | 7.01 | 0.23 | 3.99 | 46.38 | 0.0 | 42.53 |
| 0.875 | 30.65 | 7.01 | 0.11 | 4.04 | 48.96 | 0.0 | 42.53 |
| 0.879 | 30.65 | 7.01 | 0.19 | 4.1 | 46.28 | 0.0 | 42.53 |
| 0.88 | 30.65 | 7.01 | 0.27 | 4.14 | 49.65 | 0.0 | 42.53 |
| 0.882 | 30.65 | 7.01 | 0.08 | 4.16 | 49.26 | 0.0 | 42.53 |
| 0.887 | 30.65 | 7.01 | 0.19 | 4.15 | 47.16 | 0.0 | 42.53 |
| 0.892 | 30.65 | 7.01 | 0.38 | 4.13 | 49.71 | 0.0 | 42.53 |
| 0.898 | 30.65 | 7.01 | 0.23 | 4.11 | 47.54 | 0.01 | 42.53 |
| 0.904 | 30.65 | 7.01 | 0.11 | 4.09 | 47.92 | 0.0 | 42.53 |
| 0.908 | 30.65 | 7.01 | 0.11 | 4.07 | 48.39 | 0.0 | 42.53 |
| 0.912 | 30.65 | 7.01 | 0.19 | 4.02 | 50.03 | 0.0 | 42.53 |
| 0.914 | 30.65 | 7.01 | 0.19 | 4.0 | 46.62 | 0.0 | 42.53 |
| 0.919 | 30.65 | 7.01 | 0.15 | 3.98 | 50.41 | 0.0 | 42.53 |
| 0.932 | 30.65 | 7.01 | 0.19 | 3.99 | 47.17 | 0.02 | 42.53 |
| 0.944 | 30.65 | 7.01 | 0.23 | 3.98 | 48.28 | 0.0 | 42.53 |
| 0.947 | 30.65 | 7.01 | 0.15 | 4.0 | 48.97 | 0.0 | 42.53 |
| 0.949 | 30.65 | 7.01 | 0.11 | 4.02 | 48.25 | 0.0 | 42.53 |
| 0.957 | 30.65 | 7.01 | 0.3 | 4.06 | 48.52 | 0.0 | 42.53 |
| 0.965 | 30.65 | 7.01 | 0.19 | 4.11 | 50.37 | 0.0 | 42.53 |
| 0.969 | 30.65 | 7.01 | 0.19 | 4.14 | 47.05 | 0.0 | 42.53 |
| 0.975 | 30.65 | 7.01 | 0.27 | 4.14 | 47.54 | 0.0 | 42.53 |
| 0.986 | 30.65 | 7.01 | 0.23 | 4.12 | 49.33 | 0.0 | 42.53 |
| 0.998 | 30.65 | 7.01 | 0.11 | 4.08 | 46.18 | 0.0 | 42.53 |
| 1.002 | 30.65 | 7.01 | 0.15 | 4.06 | 49.74 | 0.0 | 42.53 |
| 1.006 | 30.65 | 7.01 | 0.11 | 4.03 | 47.12 | 0.0 | 42.53 |
| 1.011 | 30.65 | 7.01 | 0.19 | 4.01 | 47.09 | 0.0 | 42.53 |
| 1.017 | 30.65 | 7.01 | 0.19 | 3.99 | 48.29 | 0.0 | 42.53 |
| 1.026 | 30.65 | 7.01 | 0.11 | 4.01 | 46.52 | 0.02 | 42.53 |
| 1.03 | 30.65 | 7.01 | 0.19 | 4.05 | 48.22 | 0.0 | 42.53 |
| 1.034 | 30.65 | 7.01 | 0.27 | 4.07 | 46.71 | 0.01 | 42.53 |
| 1.039 | 30.65 | 7.01 | 0.27 | 4.1 | 47.88 | 0.0 | 42.53 |
| 1.044 | 30.65 | 7.01 | 0.15 | 4.13 | 47.92 | 0.0 | 42.53 |
| 1.053 | 30.65 | 7.01 | 0.23 | 4.16 | 46.88 | 0.0 | 42.53 |
| 1.06 | 30.65 | 7.01 | 0.08 | 4.19 | 47.35 | 0.0 | 42.53 |
| 1.061 | 30.65 | 7.01 | 0.15 | 4.21 | 47.9 | 0.0 | 42.53 |
| 1.062 | 30.65 | 7.01 | 0.15 | 4.18 | 46.53 | 0.0 | 42.53 |
| 1.065 | 30.65 | 7.01 | 0.19 | 4.16 | 48.47 | 0.0 | 42.53 |
| 1.069 | 30.65 | 7.01 | 0.19 | 4.13 | 45.38 | 0.0 | 42.53 |
| 1.075 | 30.65 | 7.01 | 0.27 | 4.13 | 47.91 | 0.0 | 42.53 |
| 1.08 | 30.65 | 7.01 | 0.19 | 4.13 | 48.5 | 0.0 | 42.53 |
| 1.085 | 30.65 | 7.01 | 0.15 | 4.12 | 48.5 | 0.0 | 42.53 |
| 1.088 | 30.65 | 7.01 | 0.23 | 4.1 | 46.01 | 0.0 | 42.53 |
| 1.092 | 30.65 | 7.01 | 0.38 | 4.08 | 48.22 | 0.0 | 42.53 |
| 1.097 | 30.65 | 7.01 | 0.11 | 4.07 | 48.41 | 0.0 | 42.53 |
| 1.1 | 30.65 | 7.01 | 0.11 | 4.07 | 47.54 | 0.0 | 42.53 |
| 1.102 | 30.65 | 7.01 | 0.15 | 4.07 | 46.75 | 0.0 | 42.53 |
| 1.103 | 30.65 | 7.01 | 0.27 | 4.09 | 48.05 | 0.0 | 42.53 |
| 1.105 | 30.65 | 7.01 | 0.11 | 4.1 | 46.28 | 0.0 | 42.53 |
| 1.111 | 30.65 | 7.01 | 0.23 | 4.1 | 46.3 | 0.0 | 42.53 |
| 1.118 | 30.65 | 7.01 | 0.08 | 4.12 | 47.7 | 0.0 | 42.53 |
| 1.123 | 30.65 | 7.01 | 0.19 | 4.18 | 46.24 | 0.0 | 42.53 |
| 1.125 | 30.65 | 7.01 | 0.15 | 4.2 | 45.94 | 0.0 | 42.53 |
| 1.131 | 30.65 | 7.01 | 0.19 | 4.21 | 46.92 | 0.0 | 42.53 |
| 1.137 | 30.65 | 7.01 | 0.19 | 4.22 | 44.92 | 0.0 | 42.53 |
| 1.138 | 30.65 | 7.01 | 0.23 | 4.23 | 46.09 | 0.0 | 42.53 |
| 1.14 | 30.65 | 7.01 | 0.19 | 4.23 | 45.84 | 0.0 | 42.53 |
| 1.141 | 30.65 | 7.01 | 0.27 | 4.21 | 45.25 | 0.0 | 42.53 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.144 | 30.65 | 7.01 | 0.08 | 4.2 | 44.58 | 0.0 | 42.53 |
| 1.15 | 30.65 | 7.01 | 0.19 | 4.19 | 46.02 | 0.0 | 42.53 |
| 1.16 | 30.65 | 7.01 | 0.27 | 4.2 | 45.36 | 0.02 | 42.53 |
| 1.165 | 30.65 | 7.01 | 0.27 | 4.2 | 45.72 | 0.0 | 42.53 |
| 1.171 | 30.65 | 7.01 | 0.34 | 4.19 | 45.06 | 0.0 | 42.53 |
| 1.178 | 30.65 | 7.01 | 0.15 | 4.15 | 47.45 | 0.0 | 42.53 |
| 1.181 | 30.64 | 7.01 | 0.23 | 4.11 | 45.62 | 0.0 | 42.53 |
| 1.184 | 30.64 | 7.01 | 0.38 | 4.07 | 47.03 | 0.0 | 42.53 |
| 1.186 | 30.64 | 7.01 | 0.27 | 4.04 | 45.74 | 0.0 | 42.53 |
| 1.188 | 30.64 | 7.01 | 0.23 | 4.05 | 47.42 | 0.0 | 42.53 |
| 1.193 | 30.64 | 7.01 | 0.19 | 4.06 | 45.55 | 0.0 | 42.53 |
| 1.203 | 30.64 | 7.01 | 0.19 | 4.07 | 46.8 | 0.0 | 42.53 |
| 1.219 | 30.64 | 7.01 | 0.27 | 4.07 | 46.18 | 0.0 | 42.53 |
| 1.236 | 30.64 | 7.01 | 0.11 | 4.06 | 46.16 | 0.0 | 42.53 |
| 1.245 | 30.64 | 7.01 | 0.3 | 4.04 | 46.38 | 0.0 | 42.53 |
| 1.271 | 30.64 | 7.01 | 0.42 | 3.96 | 46.92 | 0.0 | 42.53 |
| 1.274 | 30.64 | 7.01 | 0.27 | 3.93 | 44.9 | 0.0 | 42.53 |
| 1.275 | 30.64 | 7.01 | 0.27 | 3.9 | 46.89 | 0.0 | 42.53 |
| 1.277 | 30.64 | 7.01 | 0.27 | 3.89 | 44.72 | 0.0 | 42.52 |
| 1.279 | 30.64 | 7.01 | 0.23 | 3.88 | 46.92 | 0.0 | 42.52 |
| 1.28 | 30.64 | 7.01 | 0.27 | 3.86 | 45.52 | 0.0 | 42.52 |
| 1.286 | 30.64 | 7.01 | 0.15 | 3.88 | 46.49 | 0.0 | 42.52 |
| 1.293 | 30.64 | 7.01 | 0.15 | 3.9 | 46.06 | 0.0 | 42.53 |
| 1.296 | 30.64 | 7.01 | 0.19 | 3.91 | 47.11 | 0.0 | 42.53 |
| 1.303 | 30.64 | 7.01 | 0.27 | 3.92 | 44.7 | 0.0 | 42.53 |
| 1.311 | 30.64 | 7.01 | 0.42 | 3.91 | 47.21 | 0.0 | 42.53 |
| 1.314 | 30.64 | 7.01 | 0.34 | 3.87 | 45.62 | 0.0 | 42.53 |
| 1.317 | 30.64 | 7.01 | 0.19 | 3.84 | 45.34 | 0.0 | 42.53 |
| 1.329 | 30.64 | 7.01 | 0.19 | 3.83 | 46.86 | 0.0 | 42.53 |
| 1.345 | 30.64 | 7.01 | 0.38 | 3.83 | 46.44 | 0.0 | 42.53 |
| 1.354 | 30.64 | 7.01 | 0.08 | 3.87 | 46.71 | 0.0 | 42.53 |
| 1.355 | 30.64 | 7.01 | 0.23 | 3.9 | 47.17 | 0.0 | 42.53 |
| 1.367 | 30.64 | 7.01 | 0.15 | 3.94 | 46.28 | 0.0 | 42.53 |
| 1.383 | 30.64 | 7.01 | 0.11 | 3.99 | 44.34 | 0.0 | 42.53 |
| 1.404 | 30.64 | 7.01 | 0.19 | 4.07 | 46.15 | 0.0 | 42.53 |
| 1.422 | 30.64 | 7.01 | 0.3 | 4.16 | 47.04 | 0.0 | 42.53 |
| 1.425 | 30.64 | 7.01 | 0.27 | 4.16 | 45.12 | 0.0 | 42.53 |
| 1.439 | 30.64 | 7.01 | 0.15 | 4.17 | 45.82 | 0.0 | 42.53 |
| 1.453 | 30.64 | 7.01 | 0.15 | 4.19 | 47.11 | 0.0 | 42.53 |
| 1.457 | 30.64 | 7.01 | 0.23 | 4.26 | 44.11 | 0.0 | 42.53 |
| 1.461 | 30.64 | 7.01 | 0.15 | 4.29 | 45.19 | 0.02 | 42.53 |
| 1.478 | 30.64 | 7.01 | 0.19 | 4.33 | 47.16 | 0.0 | 42.53 |
| 1.495 | 30.64 | 7.01 | 0.08 | 4.35 | 44.82 | 0.0 | 42.53 |
| 1.499 | 30.64 | 7.01 | 0.23 | 4.35 | 44.65 | 0.0 | 42.53 |
| 1.5 | 30.64 | 7.01 | 0.11 | 4.33 | 45.11 | 0.0 | 42.53 |
| 1.502 | 30.64 | 7.01 | 0.11 | 4.3 | 45.48 | 0.0 | 42.53 |
| 1.504 | 30.64 | 7.01 | 0.15 | 4.27 | 44.85 | 0.0 | 42.53 |
| 1.506 | 30.64 | 7.01 | 0.23 | 4.23 | 45.77 | 0.0 | 42.53 |
| 1.508 | 30.64 | 7.01 | 0.27 | 4.13 | 44.89 | 0.0 | 42.53 |
| 1.509 | 30.64 | 7.01 | 0.19 | 4.09 | 45.16 | 0.0 | 42.53 |
| 1.518 | 30.64 | 7.01 | 0.19 | 4.07 | 45.11 | 0.0 | 42.53 |
| 1.536 | 30.64 | 7.01 | 0.15 | 4.05 | 45.56 | 0.0 | 42.53 |
| 1.544 | 30.64 | 7.01 | 0.3 | 3.97 | 44.06 | 0.0 | 42.53 |
| 1.548 | 30.64 | 7.01 | 0.19 | 3.98 | 45.62 | 0.0 | 42.53 |
| 1.56 | 30.64 | 7.01 | 0.27 | 4.0 | 45.6 | 0.0 | 42.53 |
| 1.584 | 30.64 | 7.01 | 0.5 | 4.0 | 45.58 | 0.0 | 42.53 |
| 1.6 | 30.63 | 7.01 | 0.04 | 4.01 | 44.53 | 0.0 | 42.53 |
| 1.606 | 30.63 | 7.01 | 0.3 | 3.98 | 46.01 | 0.0 | 42.53 |

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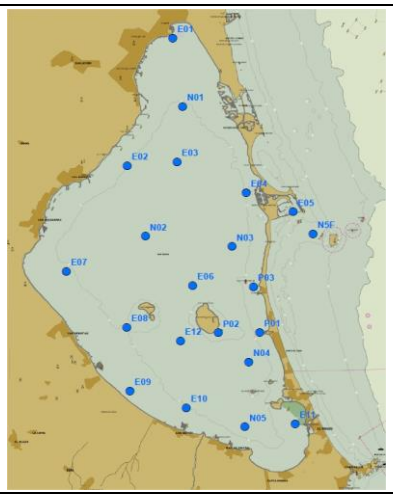
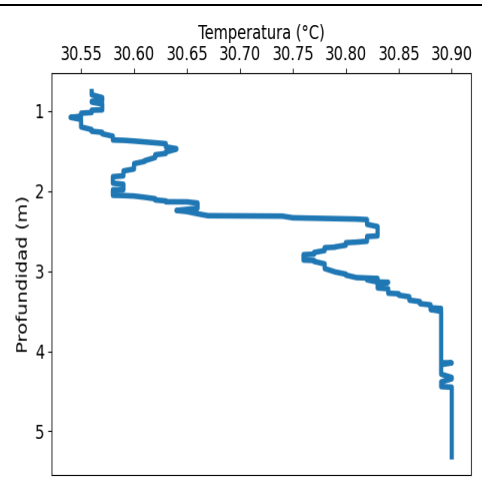
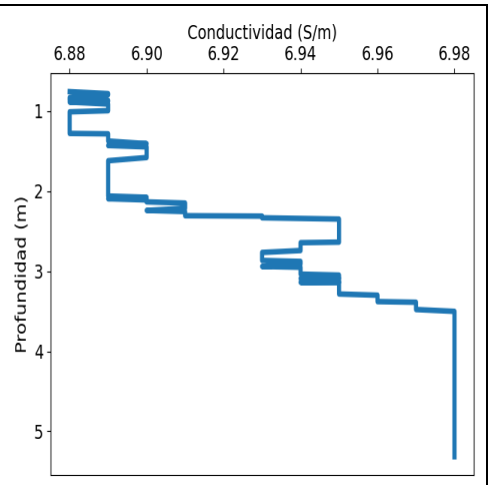
|---|---|---|---|---|---|---|---|
| 1.626 | 30.63 | 7.01 | 0.04 | 3.94 | 45.22 | 0.0 | 42.53 |
| 1.636 | 30.63 | 7.01 | 0.19 | 3.92 | 48.85 | 0.01 | 42.53 |
| 1.642 | 30.63 | 7.01 | 0.38 | 3.94 | 46.16 | 0.0 | 42.53 |
| 1.651 | 30.63 | 7.01 | 0.08 | 3.99 | 46.28 | 0.0 | 42.53 |
| 1.69 | 30.63 | 7.01 | 0.08 | 4.19 | 47.76 | 0.01 | 42.53 |
| 1.692 | 30.63 | 7.01 | 0.34 | 4.24 | 46.28 | 0.0 | 42.53 |
| 1.704 | 30.63 | 7.01 | 0.11 | 4.28 | 46.6 | 0.0 | 42.53 |
| 1.717 | 30.63 | 7.01 | 0.23 | 4.33 | 46.62 | 0.01 | 42.52 |
| 1.722 | 30.63 | 7.01 | 0.23 | 4.35 | 50.48 | 0.0 | 42.53 |
| 1.723 | 30.63 | 7.01 | 0.0 | 4.37 | 46.59 | 0.0 | 42.53 |
| 1.726 | 30.63 | 7.01 | 0.23 | 4.37 | 47.03 | 0.02 | 42.53 |
| 1.734 | 30.63 | 7.01 | 0.23 | 4.36 | 46.2 | 0.0 | 42.53 |
| 1.742 | 30.63 | 7.01 | 0.15 | 4.34 | 47.26 | 0.0 | 42.53 |
| 1.748 | 30.63 | 7.01 | 0.11 | 4.33 | 45.07 | 0.0 | 42.53 |
| 1.753 | 30.63 | 7.01 | 0.11 | 4.31 | 46.18 | 0.0 | 42.53 |
| 1.757 | 30.63 | 7.01 | 0.27 | 4.3 | 46.53 | 0.02 | 42.53 |
| 1.759 | 30.63 | 7.01 | 0.15 | 4.31 | 45.76 | 0.01 | 42.53 |
| 1.766 | 30.63 | 7.01 | 0.11 | 4.31 | 46.96 | 0.0 | 42.53 |
| 1.773 | 30.64 | 7.01 | 0.11 | 4.31 | 46.84 | 0.0 | 42.53 |
| 1.781 | 30.64 | 7.01 | 0.19 | 4.32 | 45.85 | 0.0 | 42.53 |
| 1.79 | 30.64 | 7.01 | 0.46 | 4.32 | 45.93 | 0.0 | 42.53 |
| 1.8 | 30.64 | 7.01 | 0.27 | 4.31 | 47.76 | 0.0 | 42.53 |
| 1.808 | 30.64 | 7.01 | 0.19 | 4.29 | 46.71 | 0.01 | 42.53 |
| 1.809 | 30.64 | 7.01 | 0.0 | 4.29 | 46.21 | 0.0 | 42.53 |
| 1.812 | 30.64 | 7.01 | 0.23 | 4.28 | 57.91 | 0.01 | 42.53 |
| 1.825 | 30.64 | 7.01 | 0.53 | 4.29 | 47.21 | 0.0 | 42.53 |
| 1.84 | 30.64 | 7.01 | 0.15 | 4.31 | 45.51 | 0.01 | 42.53 |
| 1.854 | 30.64 | 7.01 | 0.19 | 4.31 | 46.67 | 0.0 | 42.53 |
| 1.864 | 30.64 | 7.01 | 0.08 | 4.33 | 49.39 | 0.0 | 42.53 |
| 1.868 | 30.64 | 7.01 | 0.15 | 4.35 | 48.06 | 0.0 | 42.53 |
| 1.871 | 30.64 | 7.01 | 0.19 | 4.34 | 47.7 | 0.0 | 42.53 |
| 1.88 | 30.64 | 7.01 | 0.15 | 4.33 | 48.47 | 0.0 | 42.53 |
| 1.893 | 30.64 | 7.01 | 0.04 | 4.34 | 48.56 | 0.01 | 42.53 |
| 1.901 | 30.64 | 7.01 | 0.08 | 4.35 | 47.47 | 0.0 | 42.53 |
| 1.912 | 30.64 | 7.01 | 0.23 | 4.35 | 50.4 | 0.02 | 42.53 |
| 1.924 | 30.64 | 7.01 | 0.08 | 4.34 | 48.79 | 0.0 | 42.53 |
| 1.93 | 30.64 | 7.01 | 0.19 | 4.33 | 49.48 | 0.02 | 42.53 |
| 1.938 | 30.64 | 7.01 | 0.23 | 4.33 | 49.38 | 0.0 | 42.53 |
| 1.953 | 30.64 | 7.01 | 0.08 | 4.33 | 59.31 | 0.0 | 42.53 |
| 1.965 | 30.64 | 7.01 | 0.38 | 4.32 | 54.82 | 0.0 | 42.53 |
| 1.973 | 30.64 | 7.01 | 0.3 | 4.31 | 100.68 | 0.0 | 42.53 |
| 1.979 | 30.64 | 7.01 | 0.11 | 4.29 | 51.2 | 0.0 | 42.53 |
| 1.981 | 30.64 | 7.01 | 0.11 | 4.27 | 72.26 | 0.0 | 42.53 |
| 1.986 | 30.64 | 7.01 | 0.11 | 4.26 | 54.05 | 0.0 | 42.53 |
| 1.999 | 30.64 | 7.01 | 0.23 | 4.26 | 71.94 | 0.0 | 42.53 |
| 2.015 | 30.64 | 7.01 | 0.19 | 4.25 | 94.01 | 0.0 | 42.53 |
| 2.03 | 30.64 | 7.01 | 0.0 | 4.27 | 55.69 | 0.0 | 42.53 |
| 2.038 | 30.64 | 7.01 | 0.19 | 4.29 | 52.15 | 0.0 | 42.53 |
| 2.045 | 30.64 | 7.01 | 0.27 | 4.3 | 88.43 | 0.0 | 42.53 |
| 2.057 | 30.64 | 7.01 | 0.11 | 4.34 | 67.99 | 0.0 | 42.53 |
| 2.072 | 30.64 | 7.01 | 0.27 | 4.37 | 56.4 | 0.03 | 42.53 |
| 2.085 | 30.64 | 7.01 | 0.15 | 4.38 | 93.88 | 0.0 | 42.53 |
| 2.092 | 30.64 | 7.01 | 0.15 | 4.4 | 54.35 | 0.0 | 42.53 |
| 2.095 | 30.64 | 7.01 | 0.23 | 4.39 | 54.55 | 0.0 | 42.53 |
| 2.103 | 30.64 | 7.01 | 0.19 | 4.38 | 66.4 | 0.0 | 42.53 |
| 2.113 | 30.65 | 7.01 | 0.15 | 4.35 | 59.56 | 0.0 | 42.53 |
| 2.119 | 30.65 | 7.01 | 0.3 | 4.34 | 62.72 | 0.0 | 42.53 |
| 2.123 | 30.65 | 7.01 | 0.08 | 4.33 | 58.28 | 0.0 | 42.53 |

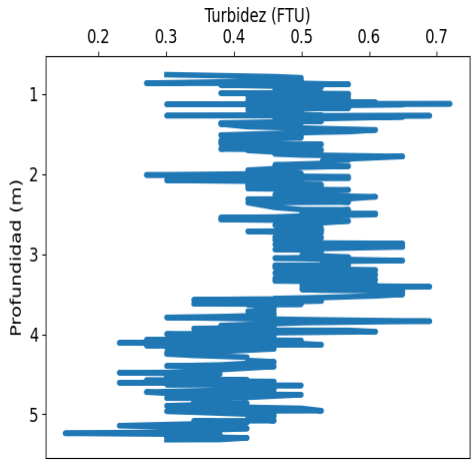
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.124 | 30.65 | 7.01 | 0.27 | 4.33 | 63.81 | 0.0 | 42.53 |
| 2.135 | 30.65 | 7.01 | 0.23 | 4.33 | 70.2 | 0.0 | 42.53 |
| 2.143 | 30.65 | 7.01 | 0.23 | 4.35 | 92.52 | 0.0 | 42.53 |
| 2.147 | 30.65 | 7.01 | 0.19 | 4.37 | 69.86 | 0.0 | 42.53 |
| 2.148 | 30.65 | 7.01 | 0.23 | 4.36 | 68.16 | 0.0 | 42.53 |
| 2.149 | 30.65 | 7.01 | 0.11 | 4.34 | 77.61 | 0.0 | 42.53 |
| 2.155 | 30.65 | 7.01 | 0.15 | 4.31 | 125.16 | 0.0 | 42.53 |
| 2.164 | 30.65 | 7.01 | 0.04 | 4.3 | 64.58 | 0.0 | 42.53 |
| 2.168 | 30.65 | 7.01 | 0.34 | 4.29 | 86.7 | 0.0 | 42.53 |
| 2.17 | 30.65 | 7.01 | 0.27 | 4.29 | 81.82 | 0.0 | 42.53 |
| 2.174 | 30.65 | 7.01 | 0.23 | 4.29 | 76.15 | 0.0 | 42.53 |
| 2.179 | 30.65 | 7.01 | 0.23 | 4.29 | 61.78 | 0.0 | 42.53 |
| 2.186 | 30.65 | 7.01 | 0.23 | 4.29 | 77.47 | 0.0 | 42.53 |
| 2.193 | 30.66 | 7.01 | 0.15 | 4.29 | 73.75 | 0.0 | 42.53 |
| 2.201 | 30.66 | 7.01 | 0.19 | 4.29 | 65.86 | 0.0 | 42.53 |
| 2.209 | 30.66 | 7.01 | 0.27 | 4.28 | 65.08 | 0.0 | 42.53 |
| 2.213 | 30.66 | 7.01 | 0.23 | 4.28 | 71.96 | 0.0 | 42.53 |
| 2.219 | 30.66 | 7.01 | 0.11 | 4.28 | 61.54 | 0.0 | 42.53 |
| 2.225 | 30.66 | 7.01 | 0.19 | 4.28 | 76.91 | 0.0 | 42.53 |
| 2.231 | 30.66 | 7.01 | 0.27 | 4.28 | 75.24 | 0.0 | 42.53 |
| 2.235 | 30.66 | 7.01 | 0.11 | 4.28 | 91.3 | 0.0 | 42.53 |
| 2.241 | 30.66 | 7.01 | 0.15 | 4.29 | 69.6 | 0.01 | 42.53 |
| 2.245 | 30.66 | 7.01 | 0.15 | 4.3 | 75.03 | 0.0 | 42.53 |
| 2.247 | 30.66 | 7.01 | 0.27 | 4.32 | 65.23 | 0.0 | 42.53 |
| 2.253 | 30.66 | 7.01 | 0.15 | 4.35 | 59.29 | 0.0 | 42.53 |
| 2.261 | 30.66 | 7.01 | 0.08 | 4.36 | 66.6 | 0.0 | 42.53 |
| 2.269 | 30.66 | 7.01 | 0.08 | 4.38 | 59.04 | 0.02 | 42.53 |
| 2.275 | 30.66 | 7.01 | 0.23 | 4.38 | 63.56 | 0.0 | 42.53 |
| 2.279 | 30.66 | 7.01 | 0.04 | 4.4 | 67.78 | 0.02 | 42.53 |
| 2.284 | 30.66 | 7.01 | 0.15 | 4.39 | 97.49 | 0.01 | 42.53 |
| 2.291 | 30.66 | 7.01 | 0.23 | 4.37 | 88.14 | 0.02 | 42.53 |
| 2.295 | 30.66 | 7.01 | 0.38 | 4.36 | 67.9 | 0.0 | 42.53 |

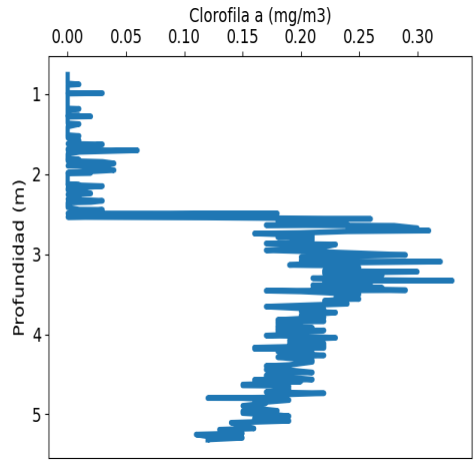
**Nombre: CTD E04 - Punto 006** **Fecha: 08/08/2022** **Hora: 07:08:31**

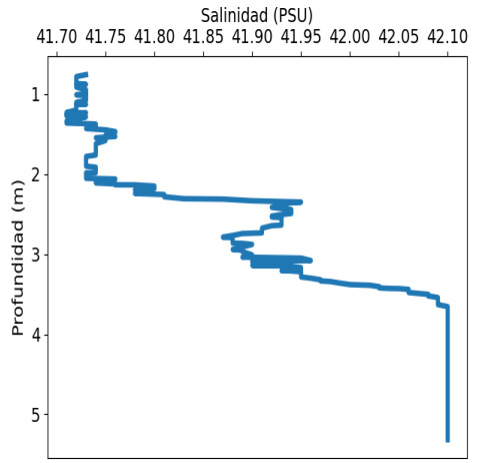


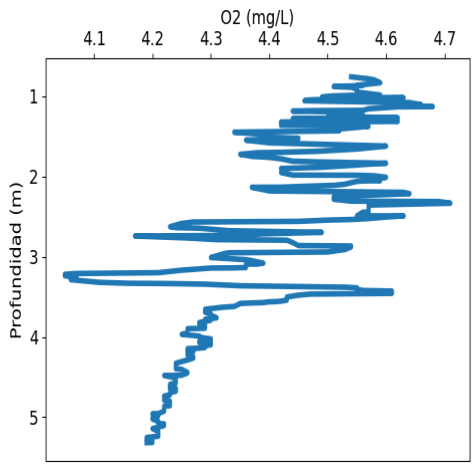



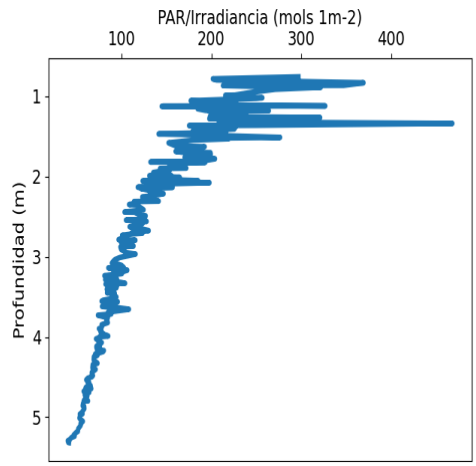




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.54 | 6.88 | 0.15 | 4.05 | 40.0 | 0.0 | 41.71 |
| **PROF (metros)** | 1.077 | 0.756 | 5.237 | 3.218 | 5.294 | 0.756 | 1.23 |
| **MÁXIMO** | 30.9 | 30.9 | 0.73 | 4.71 | 468.52 | 0.33 | 42.1 |
| **PROF (metros)** | 4.145 | 3.501 | 1.12 | 2.332 | 1.337 | 3.33 | 3.654 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E04 - Punto 006 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.56 | 6.89 | 0.46 | 4.55 | 260.82 | 0.0 | 41.72 |
| 1 - 2m | 30.58 | 6.89 | 0.5 | 4.51 | 202.24 | 0.01 | 41.73 |
| 2 - 3m | 30.74 | 6.93 | 0.5 | 4.47 | 122.98 | 0.1 | 41.86 |
| 3 - 4m | 30.87 | 6.97 | 0.51 | 4.32 | 87.91 | 0.22 | 42.03 |
| 4 - 5m | 30.9 | 6.98 | 0.38 | 4.25 | 66.34 | 0.18 | 42.1 |
| 5 - 6m | 30.9 | 6.98 | 0.36 | 4.2 | 48.97 | 0.15 | 42.1 |

| 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) |
| 0.756 | 30.56 | 6.88 | 0.3 | 4.54 | 297.05 | 0.0 | 41.73 |
| 0.781 | 30.56 | 6.89 | 0.46 | 4.57 | 201.52 | 0.0 | 41.72 |
| 0.795 | 30.56 | 6.89 | 0.5 | 4.58 | 205.73 | 0.0 | 41.72 |
| 0.83 | 30.57 | 6.88 | 0.5 | 4.59 | 369.62 | 0.0 | 41.72 |
| 0.862 | 30.57 | 6.88 | 0.27 | 4.55 | 347.44 | 0.0 | 41.72 |
| 0.865 | 30.57 | 6.89 | 0.5 | 4.56 | 212.81 | 0.0 | 41.72 |
| 0.877 | 30.56 | 6.89 | 0.57 | 4.51 | 256.93 | 0.01 | 41.73 |
| 0.886 | 30.56 | 6.88 | 0.38 | 4.54 | 322.0 | 0.0 | 41.72 |
| 0.911 | 30.57 | 6.89 | 0.53 | 4.55 | 271.06 | 0.0 | 41.72 |
| 0.946 | 30.57 | 6.89 | 0.46 | 4.55 | 247.06 | 0.0 | 41.73 |
| 0.984 | 30.57 | 6.89 | 0.53 | 4.59 | 226.29 | 0.0 | 41.73 |
| 0.987 | 30.56 | 6.89 | 0.38 | 4.54 | 215.34 | 0.03 | 41.73 |
| 0.994 | 30.56 | 6.89 | 0.57 | 4.51 | 217.75 | 0.0 | 41.73 |
| 1.008 | 30.56 | 6.88 | 0.57 | 4.49 | 236.75 | 0.0 | 41.72 |
| 1.017 | 30.56 | 6.88 | 0.42 | 4.63 | 256.93 | 0.0 | 41.73 |
| 1.025 | 30.55 | 6.88 | 0.42 | 4.58 | 250.35 | 0.0 | 41.73 |
| 1.043 | 30.55 | 6.88 | 0.57 | 4.47 | 204.92 | 0.0 | 41.73 |
| 1.054 | 30.55 | 6.88 | 0.5 | 4.46 | 176.83 | 0.0 | 41.73 |
| 1.063 | 30.55 | 6.88 | 0.5 | 4.52 | 191.37 | 0.0 | 41.73 |
| 1.077 | 30.54 | 6.88 | 0.42 | 4.64 | 227.71 | 0.0 | 41.73 |
| 1.103 | 30.55 | 6.88 | 0.61 | 4.66 | 181.06 | 0.0 | 41.72 |
| 1.119 | 30.55 | 6.88 | 0.42 | 4.61 | 327.04 | 0.0 | 41.72 |
| 1.12 | 30.55 | 6.88 | 0.72 | 4.61 | 146.63 | 0.0 | 41.72 |
| 1.124 | 30.55 | 6.88 | 0.5 | 4.65 | 144.61 | 0.0 | 41.72 |
| 1.127 | 30.55 | 6.88 | 0.3 | 4.68 | 261.44 | 0.0 | 41.73 |
| 1.129 | 30.55 | 6.88 | 0.61 | 4.63 | 227.55 | 0.0 | 41.72 |
| 1.13 | 30.55 | 6.88 | 0.65 | 4.62 | 204.58 | 0.0 | 41.72 |
| 1.154 | 30.55 | 6.88 | 0.42 | 4.57 | 184.58 | 0.0 | 41.72 |
| 1.174 | 30.55 | 6.88 | 0.57 | 4.56 | 193.47 | 0.0 | 41.72 |
| 1.178 | 30.55 | 6.88 | 0.5 | 4.47 | 264.12 | 0.0 | 41.72 |
| 1.183 | 30.55 | 6.88 | 0.5 | 4.44 | 197.04 | 0.01 | 41.72 |
| 1.197 | 30.55 | 6.88 | 0.42 | 4.54 | 201.99 | 0.0 | 41.72 |
| 1.23 | 30.56 | 6.88 | 0.5 | 4.56 | 210.31 | 0.0 | 41.71 |
| 1.233 | 30.56 | 6.88 | 0.46 | 4.51 | 239.12 | 0.0 | 41.73 |
| 1.251 | 30.56 | 6.88 | 0.5 | 4.5 | 198.24 | 0.0 | 41.71 |
| 1.264 | 30.57 | 6.88 | 0.53 | 4.61 | 321.26 | 0.0 | 41.72 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.267 | 30.57 | 6.88 | 0.38 | 4.62 | 210.06 | 0.0 | 41.71 |
| 1.268 | 30.57 | 6.88 | 0.3 | 4.61 | 220.28 | 0.01 | 41.71 |
| 1.269 | 30.57 | 6.88 | 0.69 | 4.6 | 259.93 | 0.0 | 41.71 |
| 1.272 | 30.57 | 6.88 | 0.57 | 4.58 | 223.26 | 0.0 | 41.71 |
| 1.278 | 30.57 | 6.88 | 0.5 | 4.44 | 197.55 | 0.02 | 41.72 |
| 1.283 | 30.57 | 6.89 | 0.65 | 4.61 | 254.09 | 0.0 | 41.73 |
| 1.312 | 30.58 | 6.89 | 0.5 | 4.62 | 266.39 | 0.0 | 41.72 |
| 1.319 | 30.58 | 6.89 | 0.46 | 4.42 | 208.07 | 0.0 | 41.72 |
| 1.337 | 30.58 | 6.89 | 0.53 | 4.42 | 468.52 | 0.0 | 41.71 |
| 1.36 | 30.58 | 6.89 | 0.38 | 4.42 | 250.17 | 0.0 | 41.71 |
| 1.364 | 30.59 | 6.89 | 0.5 | 4.56 | 175.08 | 0.0 | 41.72 |
| 1.373 | 30.6 | 6.89 | 0.38 | 4.57 | 227.5 | 0.01 | 41.74 |
| 1.406 | 30.63 | 6.9 | 0.42 | 4.52 | 225.71 | 0.0 | 41.74 |
| 1.429 | 30.63 | 6.89 | 0.53 | 4.52 | 179.14 | 0.0 | 41.73 |
| 1.446 | 30.63 | 6.9 | 0.61 | 4.34 | 216.64 | 0.0 | 41.75 |
| 1.468 | 30.64 | 6.9 | 0.57 | 4.38 | 141.13 | 0.0 | 41.76 |
| 1.474 | 30.64 | 6.9 | 0.53 | 4.4 | 166.1 | 0.0 | 41.76 |
| 1.511 | 30.63 | 6.9 | 0.38 | 4.41 | 276.71 | 0.0 | 41.75 |
| 1.522 | 30.63 | 6.9 | 0.5 | 4.45 | 182.92 | 0.01 | 41.75 |
| 1.528 | 30.63 | 6.9 | 0.46 | 4.42 | 219.37 | 0.0 | 41.76 |
| 1.545 | 30.62 | 6.9 | 0.5 | 4.36 | 179.93 | 0.0 | 41.74 |
| 1.579 | 30.62 | 6.9 | 0.38 | 4.4 | 152.21 | 0.01 | 41.75 |
| 1.619 | 30.61 | 6.89 | 0.38 | 4.6 | 160.84 | 0.0 | 41.74 |
| 1.627 | 30.61 | 6.89 | 0.53 | 4.59 | 192.71 | 0.03 | 41.74 |
| 1.656 | 30.6 | 6.89 | 0.42 | 4.55 | 185.48 | 0.01 | 41.74 |
| 1.685 | 30.6 | 6.89 | 0.38 | 4.48 | 159.98 | 0.0 | 41.74 |
| 1.697 | 30.6 | 6.89 | 0.53 | 4.42 | 168.23 | 0.0 | 41.74 |
| 1.702 | 30.6 | 6.89 | 0.42 | 4.38 | 199.16 | 0.06 | 41.74 |
| 1.722 | 30.6 | 6.89 | 0.46 | 4.35 | 199.48 | 0.01 | 41.74 |
| 1.747 | 30.59 | 6.89 | 0.46 | 4.37 | 189.87 | 0.0 | 41.74 |
| 1.76 | 30.59 | 6.89 | 0.5 | 4.4 | 170.04 | 0.0 | 41.74 |
| 1.778 | 30.59 | 6.89 | 0.65 | 4.42 | 204.2 | 0.0 | 41.73 |
| 1.808 | 30.59 | 6.89 | 0.57 | 4.44 | 188.77 | 0.0 | 41.73 |
| 1.818 | 30.58 | 6.89 | 0.57 | 4.49 | 132.05 | 0.01 | 41.73 |
| 1.822 | 30.58 | 6.89 | 0.57 | 4.52 | 193.34 | 0.0 | 41.73 |
| 1.833 | 30.58 | 6.89 | 0.53 | 4.6 | 153.62 | 0.0 | 41.73 |
| 1.845 | 30.58 | 6.89 | 0.53 | 4.57 | 161.73 | 0.03 | 41.73 |
| 1.865 | 30.58 | 6.89 | 0.53 | 4.53 | 152.98 | 0.04 | 41.73 |
| 1.883 | 30.58 | 6.89 | 0.46 | 4.49 | 169.29 | 0.01 | 41.73 |
| 1.894 | 30.58 | 6.89 | 0.5 | 4.44 | 172.26 | 0.0 | 41.73 |
| 1.899 | 30.58 | 6.89 | 0.57 | 4.42 | 142.71 | 0.01 | 41.73 |
| 1.913 | 30.59 | 6.89 | 0.5 | 4.43 | 153.98 | 0.03 | 41.74 |
| 1.949 | 30.59 | 6.89 | 0.42 | 4.42 | 135.21 | 0.04 | 41.74 |
| 1.981 | 30.59 | 6.89 | 0.46 | 4.44 | 155.09 | 0.0 | 41.74 |
| 1.983 | 30.58 | 6.89 | 0.42 | 4.55 | 134.02 | 0.02 | 41.73 |
| 1.99 | 30.58 | 6.89 | 0.5 | 4.58 | 130.77 | 0.0 | 41.73 |
| 2.009 | 30.58 | 6.89 | 0.27 | 4.6 | 164.95 | 0.0 | 41.73 |
| 2.031 | 30.58 | 6.89 | 0.57 | 4.58 | 135.33 | 0.0 | 41.73 |
| 2.051 | 30.58 | 6.89 | 0.57 | 4.59 | 185.39 | 0.0 | 41.73 |
| 2.054 | 30.59 | 6.89 | 0.42 | 4.56 | 123.26 | 0.0 | 41.74 |
| 2.06 | 30.6 | 6.89 | 0.5 | 4.55 | 135.93 | 0.0 | 41.76 |
| 2.076 | 30.61 | 6.9 | 0.3 | 4.54 | 198.1 | 0.0 | 41.75 |
| 2.094 | 30.62 | 6.89 | 0.5 | 4.53 | 133.68 | 0.0 | 41.74 |
| 2.109 | 30.62 | 6.9 | 0.5 | 4.51 | 153.73 | 0.0 | 41.74 |
| 2.121 | 30.63 | 6.9 | 0.42 | 4.46 | 150.17 | 0.0 | 41.76 |
| 2.132 | 30.63 | 6.9 | 0.53 | 4.42 | 117.98 | 0.01 | 41.76 |
| 2.133 | 30.65 | 6.9 | 0.42 | 4.37 | 157.08 | 0.0 | 41.78 |
| 2.148 | 30.66 | 6.91 | 0.42 | 4.38 | 121.39 | 0.03 | 41.8 |

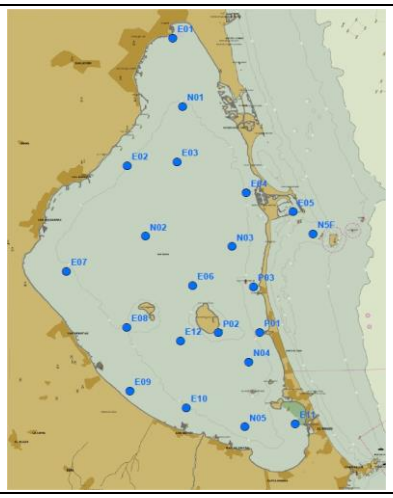
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.179 | 30.66 | 6.91 | 0.42 | 4.4 | 134.18 | 0.0 | 41.8 |
| 2.196 | 30.66 | 6.91 | 0.57 | 4.63 | 131.34 | 0.0 | 41.78 |
| 2.213 | 30.66 | 6.91 | 0.5 | 4.64 | 147.0 | 0.01 | 41.79 |
| 2.24 | 30.64 | 6.9 | 0.5 | 4.54 | 133.59 | 0.02 | 41.78 |
| 2.254 | 30.65 | 6.91 | 0.46 | 4.51 | 122.92 | 0.0 | 41.81 |
| 2.282 | 30.66 | 6.91 | 0.61 | 4.51 | 126.8 | 0.01 | 41.81 |
| 2.306 | 30.67 | 6.91 | 0.57 | 4.54 | 141.52 | 0.01 | 41.83 |
| 2.311 | 30.74 | 6.93 | 0.42 | 4.69 | 113.74 | 0.0 | 41.87 |
| 2.332 | 30.75 | 6.93 | 0.53 | 4.71 | 116.73 | 0.03 | 41.9 |
| 2.348 | 30.81 | 6.95 | 0.57 | 4.61 | 108.26 | 0.02 | 41.95 |
| 2.355 | 30.82 | 6.95 | 0.42 | 4.57 | 117.11 | 0.0 | 41.94 |
| 2.414 | 30.82 | 6.95 | 0.46 | 4.57 | 124.67 | 0.0 | 41.92 |
| 2.442 | 30.83 | 6.95 | 0.5 | 4.57 | 103.14 | 0.01 | 41.94 |
| 2.444 | 30.83 | 6.95 | 0.57 | 4.56 | 114.42 | 0.03 | 41.94 |
| 2.489 | 30.83 | 6.95 | 0.5 | 4.55 | 122.41 | 0.0 | 41.94 |
| 2.49 | 30.83 | 6.95 | 0.61 | 4.63 | 127.06 | 0.18 | 41.94 |
| 2.504 | 30.83 | 6.95 | 0.61 | 4.6 | 119.85 | 0.05 | 41.93 |
| 2.523 | 30.83 | 6.95 | 0.5 | 4.57 | 124.35 | 0.04 | 41.92 |
| 2.535 | 30.83 | 6.95 | 0.46 | 4.54 | 119.33 | 0.0 | 41.92 |
| 2.542 | 30.83 | 6.95 | 0.38 | 4.5 | 104.83 | 0.12 | 41.93 |
| 2.558 | 30.83 | 6.95 | 0.53 | 4.45 | 128.07 | 0.26 | 41.93 |
| 2.566 | 30.82 | 6.95 | 0.38 | 4.27 | 116.49 | 0.19 | 41.93 |
| 2.584 | 30.82 | 6.95 | 0.57 | 4.25 | 123.52 | 0.18 | 41.93 |
| 2.625 | 30.82 | 6.95 | 0.5 | 4.23 | 108.84 | 0.24 | 41.93 |
| 2.636 | 30.81 | 6.95 | 0.46 | 4.24 | 111.88 | 0.17 | 41.93 |
| 2.643 | 30.8 | 6.94 | 0.5 | 4.28 | 119.44 | 0.28 | 41.92 |
| 2.674 | 30.8 | 6.94 | 0.53 | 4.33 | 130.4 | 0.3 | 41.91 |
| 2.695 | 30.79 | 6.94 | 0.53 | 4.49 | 113.68 | 0.24 | 41.91 |
| 2.699 | 30.79 | 6.94 | 0.5 | 4.47 | 111.54 | 0.3 | 41.91 |
| 2.705 | 30.78 | 6.94 | 0.53 | 4.44 | 123.43 | 0.31 | 41.91 |
| 2.714 | 30.78 | 6.94 | 0.42 | 4.39 | 112.27 | 0.24 | 41.91 |
| 2.733 | 30.78 | 6.94 | 0.53 | 4.34 | 100.43 | 0.2 | 41.91 |
| 2.741 | 30.78 | 6.94 | 0.5 | 4.17 | 105.36 | 0.16 | 41.89 |
| 2.765 | 30.77 | 6.93 | 0.5 | 4.26 | 101.95 | 0.21 | 41.88 |
| 2.786 | 30.77 | 6.93 | 0.46 | 4.31 | 96.48 | 0.18 | 41.87 |
| 2.793 | 30.76 | 6.93 | 0.53 | 4.43 | 115.49 | 0.21 | 41.88 |
| 2.822 | 30.76 | 6.93 | 0.46 | 4.44 | 99.29 | 0.21 | 41.88 |
| 2.86 | 30.76 | 6.93 | 0.53 | 4.45 | 100.8 | 0.19 | 41.88 |
| 2.865 | 30.77 | 6.93 | 0.65 | 4.54 | 113.53 | 0.17 | 41.89 |
| 2.877 | 30.77 | 6.94 | 0.46 | 4.54 | 98.63 | 0.23 | 41.9 |
| 2.908 | 30.78 | 6.94 | 0.65 | 4.53 | 99.41 | 0.22 | 41.89 |
| 2.94 | 30.78 | 6.93 | 0.46 | 4.5 | 104.39 | 0.18 | 41.88 |
| 2.95 | 30.78 | 6.94 | 0.53 | 4.33 | 105.56 | 0.17 | 41.89 |
| 2.966 | 30.78 | 6.94 | 0.53 | 4.32 | 115.73 | 0.21 | 41.89 |
| 3.009 | 30.79 | 6.94 | 0.5 | 4.3 | 97.97 | 0.29 | 41.9 |
| 3.036 | 30.8 | 6.94 | 0.57 | 4.36 | 92.49 | 0.2 | 41.89 |
| 3.048 | 30.8 | 6.95 | 0.46 | 4.37 | 91.39 | 0.24 | 41.95 |
| 3.079 | 30.81 | 6.95 | 0.65 | 4.39 | 89.04 | 0.2 | 41.96 |
| 3.09 | 30.83 | 6.94 | 0.53 | 4.38 | 93.79 | 0.21 | 41.9 |
| 3.092 | 30.82 | 6.95 | 0.57 | 4.36 | 95.88 | 0.32 | 41.93 |
| 3.107 | 30.82 | 6.95 | 0.53 | 4.36 | 100.05 | 0.23 | 41.94 |
| 3.134 | 30.83 | 6.95 | 0.57 | 4.36 | 102.57 | 0.19 | 41.94 |
| 3.138 | 30.84 | 6.94 | 0.46 | 4.34 | 85.13 | 0.21 | 41.9 |
| 3.14 | 30.83 | 6.95 | 0.53 | 4.3 | 95.79 | 0.23 | 41.93 |
| 3.167 | 30.83 | 6.95 | 0.46 | 4.25 | 106.52 | 0.25 | 41.95 |
| 3.198 | 30.83 | 6.95 | 0.61 | 4.21 | 97.58 | 0.23 | 41.95 |
| 3.205 | 30.83 | 6.95 | 0.53 | 4.11 | 90.27 | 0.22 | 41.93 |
| 3.208 | 30.83 | 6.95 | 0.57 | 4.07 | 100.66 | 0.22 | 41.94 |

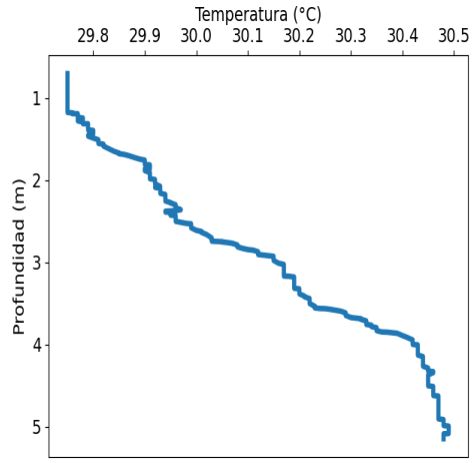
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.218 | 30.84 | 6.95 | 0.5 | 4.05 | 94.16 | 0.3 | 41.95 |
| 3.236 | 30.84 | 6.95 | 0.46 | 4.05 | 80.77 | 0.22 | 41.95 |
| 3.257 | 30.84 | 6.95 | 0.61 | 4.07 | 93.62 | 0.27 | 41.95 |
| 3.274 | 30.84 | 6.95 | 0.53 | 4.07 | 94.77 | 0.25 | 41.95 |
| 3.281 | 30.85 | 6.95 | 0.5 | 4.07 | 95.08 | 0.23 | 41.95 |
| 3.284 | 30.85 | 6.95 | 0.5 | 4.06 | 81.61 | 0.26 | 41.95 |
| 3.299 | 30.85 | 6.96 | 0.46 | 4.08 | 84.6 | 0.21 | 41.96 |
| 3.319 | 30.86 | 6.96 | 0.61 | 4.11 | 99.02 | 0.25 | 41.97 |
| 3.33 | 30.86 | 6.96 | 0.5 | 4.16 | 104.12 | 0.33 | 41.97 |
| 3.333 | 30.86 | 6.96 | 0.46 | 4.22 | 86.56 | 0.23 | 41.97 |
| 3.341 | 30.86 | 6.96 | 0.53 | 4.29 | 81.99 | 0.22 | 41.98 |
| 3.361 | 30.86 | 6.96 | 0.53 | 4.35 | 95.21 | 0.22 | 41.99 |
| 3.379 | 30.87 | 6.96 | 0.61 | 4.53 | 93.9 | 0.26 | 42.0 |
| 3.387 | 30.87 | 6.97 | 0.5 | 4.55 | 94.44 | 0.21 | 42.02 |
| 3.405 | 30.87 | 6.97 | 0.69 | 4.55 | 83.37 | 0.23 | 42.03 |
| 3.42 | 30.88 | 6.97 | 0.53 | 4.56 | 84.28 | 0.27 | 42.03 |
| 3.427 | 30.88 | 6.97 | 0.5 | 4.61 | 91.56 | 0.21 | 42.04 |
| 3.429 | 30.88 | 6.97 | 0.53 | 4.61 | 86.24 | 0.22 | 42.05 |
| 3.439 | 30.88 | 6.97 | 0.5 | 4.59 | 86.52 | 0.26 | 42.06 |
| 3.449 | 30.88 | 6.97 | 0.53 | 4.59 | 83.7 | 0.29 | 42.06 |
| 3.456 | 30.88 | 6.97 | 0.65 | 4.61 | 92.64 | 0.17 | 42.06 |
| 3.465 | 30.89 | 6.97 | 0.65 | 4.47 | 89.64 | 0.2 | 42.06 |
| 3.478 | 30.88 | 6.97 | 0.61 | 4.45 | 89.23 | 0.22 | 42.06 |
| 3.501 | 30.89 | 6.98 | 0.65 | 4.43 | 94.44 | 0.25 | 42.08 |
| 3.52 | 30.89 | 6.98 | 0.61 | 4.43 | 90.23 | 0.23 | 42.08 |
| 3.541 | 30.89 | 6.98 | 0.53 | 4.43 | 79.69 | 0.23 | 42.09 |
| 3.553 | 30.89 | 6.98 | 0.46 | 4.42 | 77.68 | 0.24 | 42.09 |
| 3.559 | 30.89 | 6.98 | 0.5 | 4.41 | 86.76 | 0.25 | 42.09 |
| 3.561 | 30.89 | 6.98 | 0.42 | 4.4 | 95.9 | 0.24 | 42.09 |
| 3.57 | 30.89 | 6.98 | 0.34 | 4.39 | 84.3 | 0.23 | 42.09 |
| 3.581 | 30.89 | 6.98 | 0.53 | 4.35 | 89.77 | 0.22 | 42.09 |
| 3.584 | 30.89 | 6.98 | 0.53 | 4.35 | 88.32 | 0.23 | 42.09 |
| 3.619 | 30.89 | 6.98 | 0.34 | 4.34 | 78.1 | 0.24 | 42.09 |
| 3.624 | 30.89 | 6.98 | 0.5 | 4.33 | 82.45 | 0.23 | 42.09 |
| 3.629 | 30.89 | 6.98 | 0.42 | 4.32 | 91.77 | 0.22 | 42.09 |
| 3.654 | 30.89 | 6.98 | 0.46 | 4.29 | 108.38 | 0.17 | 42.1 |
| 3.69 | 30.89 | 6.98 | 0.46 | 4.29 | 84.93 | 0.22 | 42.1 |
| 3.713 | 30.89 | 6.98 | 0.42 | 4.3 | 88.67 | 0.2 | 42.1 |
| 3.728 | 30.89 | 6.98 | 0.46 | 4.3 | 73.58 | 0.23 | 42.1 |
| 3.761 | 30.89 | 6.98 | 0.46 | 4.31 | 84.83 | 0.2 | 42.1 |
| 3.779 | 30.89 | 6.98 | 0.38 | 4.29 | 82.87 | 0.2 | 42.1 |
| 3.789 | 30.89 | 6.98 | 0.3 | 4.3 | 83.7 | 0.22 | 42.1 |
| 3.82 | 30.89 | 6.98 | 0.53 | 4.28 | 84.81 | 0.18 | 42.1 |
| 3.836 | 30.89 | 6.98 | 0.69 | 4.28 | 80.69 | 0.22 | 42.1 |
| 3.847 | 30.89 | 6.98 | 0.57 | 4.29 | 77.68 | 0.19 | 42.1 |
| 3.855 | 30.89 | 6.98 | 0.5 | 4.29 | 78.77 | 0.18 | 42.1 |
| 3.891 | 30.89 | 6.98 | 0.38 | 4.29 | 77.48 | 0.2 | 42.1 |
| 3.896 | 30.89 | 6.98 | 0.46 | 4.26 | 74.65 | 0.18 | 42.1 |
| 3.911 | 30.89 | 6.98 | 0.38 | 4.26 | 76.72 | 0.18 | 42.1 |
| 3.919 | 30.89 | 6.98 | 0.42 | 4.26 | 77.34 | 0.21 | 42.1 |
| 3.928 | 30.89 | 6.98 | 0.34 | 4.26 | 76.43 | 0.18 | 42.1 |
| 3.949 | 30.89 | 6.98 | 0.42 | 4.26 | 78.92 | 0.18 | 42.1 |
| 3.951 | 30.89 | 6.98 | 0.57 | 4.26 | 76.8 | 0.22 | 42.1 |
| 3.967 | 30.89 | 6.98 | 0.61 | 4.25 | 80.36 | 0.19 | 42.1 |
| 3.988 | 30.89 | 6.98 | 0.38 | 4.28 | 85.31 | 0.18 | 42.1 |
| 3.997 | 30.89 | 6.98 | 0.3 | 4.28 | 75.48 | 0.2 | 42.1 |
| 4.015 | 30.89 | 6.98 | 0.38 | 4.29 | 73.8 | 0.17 | 42.1 |
| 4.023 | 30.89 | 6.98 | 0.46 | 4.3 | 71.45 | 0.2 | 42.1 |

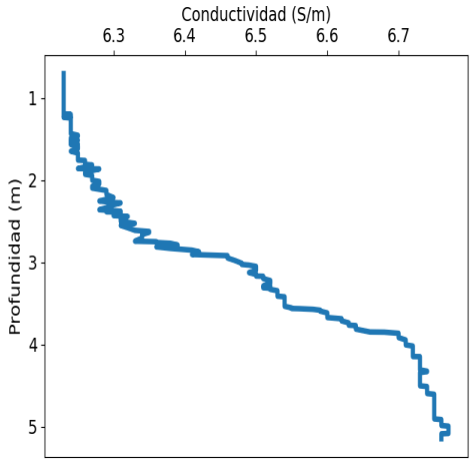
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.044 | 30.89 | 6.98 | 0.42 | 4.3 | 74.37 | 0.23 | 42.1 |
| 4.056 | 30.89 | 6.98 | 0.42 | 4.28 | 74.99 | 0.21 | 42.1 |
| 4.069 | 30.89 | 6.98 | 0.27 | 4.28 | 78.12 | 0.2 | 42.1 |
| 4.076 | 30.89 | 6.98 | 0.5 | 4.3 | 75.97 | 0.19 | 42.1 |
| 4.097 | 30.89 | 6.98 | 0.5 | 4.3 | 73.53 | 0.2 | 42.1 |
| 4.108 | 30.89 | 6.98 | 0.23 | 4.29 | 76.11 | 0.19 | 42.1 |
| 4.116 | 30.89 | 6.98 | 0.5 | 4.29 | 71.88 | 0.22 | 42.1 |
| 4.131 | 30.89 | 6.98 | 0.53 | 4.29 | 71.91 | 0.2 | 42.1 |
| 4.139 | 30.89 | 6.98 | 0.27 | 4.28 | 74.85 | 0.19 | 42.1 |
| 4.142 | 30.89 | 6.98 | 0.46 | 4.27 | 76.17 | 0.22 | 42.1 |
| 4.145 | 30.9 | 6.98 | 0.3 | 4.26 | 74.91 | 0.22 | 42.1 |
| 4.166 | 30.89 | 6.98 | 0.3 | 4.26 | 72.55 | 0.16 | 42.1 |
| 4.169 | 30.89 | 6.98 | 0.38 | 4.26 | 80.5 | 0.22 | 42.1 |
| 4.181 | 30.89 | 6.98 | 0.34 | 4.27 | 79.58 | 0.16 | 42.1 |
| 4.182 | 30.89 | 6.98 | 0.46 | 4.26 | 79.54 | 0.18 | 42.1 |
| 4.214 | 30.89 | 6.98 | 0.38 | 4.26 | 70.43 | 0.18 | 42.1 |
| 4.228 | 30.89 | 6.98 | 0.3 | 4.26 | 73.26 | 0.21 | 42.1 |
| 4.246 | 30.89 | 6.98 | 0.3 | 4.27 | 69.04 | 0.2 | 42.1 |
| 4.263 | 30.89 | 6.98 | 0.34 | 4.27 | 68.92 | 0.22 | 42.1 |
| 4.286 | 30.89 | 6.98 | 0.42 | 4.26 | 68.85 | 0.18 | 42.1 |
| 4.327 | 30.9 | 6.98 | 0.42 | 4.24 | 73.38 | 0.21 | 42.1 |
| 4.344 | 30.9 | 6.98 | 0.46 | 4.24 | 67.85 | 0.21 | 42.1 |
| 4.383 | 30.89 | 6.98 | 0.38 | 4.24 | 67.47 | 0.19 | 42.1 |
| 4.396 | 30.89 | 6.98 | 0.3 | 4.24 | 67.75 | 0.17 | 42.1 |
| 4.403 | 30.89 | 6.98 | 0.46 | 4.25 | 71.3 | 0.19 | 42.1 |
| 4.441 | 30.89 | 6.98 | 0.38 | 4.26 | 66.71 | 0.17 | 42.1 |
| 4.448 | 30.9 | 6.98 | 0.38 | 4.26 | 66.74 | 0.19 | 42.1 |
| 4.477 | 30.9 | 6.98 | 0.3 | 4.25 | 66.76 | 0.21 | 42.1 |
| 4.48 | 30.9 | 6.98 | 0.23 | 4.22 | 68.29 | 0.18 | 42.1 |
| 4.495 | 30.9 | 6.98 | 0.38 | 4.23 | 67.14 | 0.18 | 42.1 |
| 4.514 | 30.9 | 6.98 | 0.3 | 4.24 | 62.3 | 0.17 | 42.1 |
| 4.534 | 30.9 | 6.98 | 0.3 | 4.24 | 60.58 | 0.17 | 42.1 |
| 4.552 | 30.9 | 6.98 | 0.34 | 4.24 | 62.92 | 0.2 | 42.1 |
| 4.565 | 30.9 | 6.98 | 0.38 | 4.24 | 64.06 | 0.21 | 42.1 |
| 4.569 | 30.9 | 6.98 | 0.42 | 4.24 | 62.84 | 0.16 | 42.1 |
| 4.574 | 30.9 | 6.98 | 0.27 | 4.24 | 62.3 | 0.17 | 42.1 |
| 4.59 | 30.9 | 6.98 | 0.46 | 4.23 | 63.33 | 0.2 | 42.1 |
| 4.605 | 30.9 | 6.98 | 0.23 | 4.23 | 65.67 | 0.18 | 42.1 |
| 4.615 | 30.9 | 6.98 | 0.42 | 4.23 | 63.85 | 0.18 | 42.1 |
| 4.627 | 30.9 | 6.98 | 0.3 | 4.23 | 60.24 | 0.15 | 42.1 |
| 4.639 | 30.9 | 6.98 | 0.5 | 4.24 | 59.63 | 0.15 | 42.1 |
| 4.643 | 30.9 | 6.98 | 0.42 | 4.23 | 66.48 | 0.18 | 42.1 |
| 4.652 | 30.9 | 6.98 | 0.46 | 4.24 | 61.33 | 0.19 | 42.1 |
| 4.677 | 30.9 | 6.98 | 0.46 | 4.24 | 57.69 | 0.18 | 42.1 |
| 4.69 | 30.9 | 6.98 | 0.46 | 4.23 | 64.22 | 0.18 | 42.1 |
| 4.691 | 30.9 | 6.98 | 0.42 | 4.23 | 60.12 | 0.19 | 42.1 |
| 4.722 | 30.9 | 6.98 | 0.27 | 4.23 | 58.88 | 0.17 | 42.1 |
| 4.736 | 30.9 | 6.98 | 0.3 | 4.22 | 62.01 | 0.22 | 42.1 |
| 4.755 | 30.9 | 6.98 | 0.5 | 4.22 | 60.96 | 0.18 | 42.1 |
| 4.788 | 30.9 | 6.98 | 0.42 | 4.22 | 58.09 | 0.18 | 42.1 |
| 4.797 | 30.9 | 6.98 | 0.3 | 4.23 | 62.84 | 0.12 | 42.1 |
| 4.798 | 30.9 | 6.98 | 0.34 | 4.23 | 58.58 | 0.15 | 42.1 |
| 4.822 | 30.9 | 6.98 | 0.34 | 4.23 | 57.23 | 0.19 | 42.1 |
| 4.857 | 30.9 | 6.98 | 0.34 | 4.23 | 56.55 | 0.16 | 42.1 |
| 4.862 | 30.9 | 6.98 | 0.42 | 4.22 | 58.41 | 0.17 | 42.1 |
| 4.893 | 30.9 | 6.98 | 0.3 | 4.22 | 58.67 | 0.15 | 42.1 |
| 4.925 | 30.9 | 6.98 | 0.5 | 4.22 | 56.59 | 0.16 | 42.1 |
| 4.955 | 30.9 | 6.98 | 0.53 | 4.21 | 54.82 | 0.18 | 42.1 |

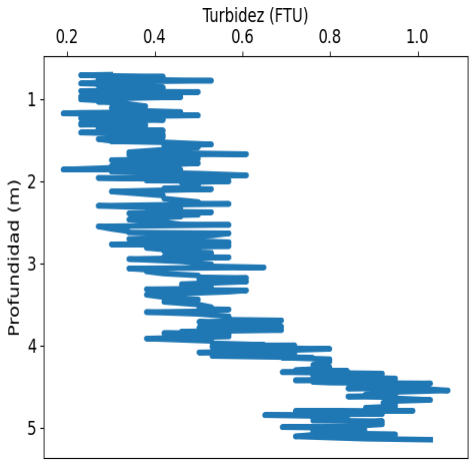
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.957 | 30.9 | 6.98 | 0.42 | 4.2 | 56.73 | 0.17 | 42.1 |
| 4.961 | 30.9 | 6.98 | 0.3 | 4.2 | 53.41 | 0.15 | 42.1 |
| 4.985 | 30.9 | 6.98 | 0.38 | 4.21 | 53.86 | 0.15 | 42.1 |
| 5.009 | 30.9 | 6.98 | 0.46 | 4.2 | 52.93 | 0.18 | 42.1 |
| 5.023 | 30.9 | 6.98 | 0.46 | 4.2 | 53.95 | 0.19 | 42.1 |
| 5.051 | 30.9 | 6.98 | 0.42 | 4.21 | 57.08 | 0.16 | 42.1 |
| 5.079 | 30.9 | 6.98 | 0.46 | 4.21 | 54.24 | 0.16 | 42.1 |
| 5.082 | 30.9 | 6.98 | 0.34 | 4.22 | 54.87 | 0.19 | 42.1 |
| 5.104 | 30.9 | 6.98 | 0.42 | 4.22 | 54.46 | 0.14 | 42.1 |
| 5.142 | 30.9 | 6.98 | 0.23 | 4.2 | 51.73 | 0.15 | 42.1 |
| 5.177 | 30.9 | 6.98 | 0.42 | 4.21 | 51.47 | 0.16 | 42.1 |
| 5.191 | 30.9 | 6.98 | 0.38 | 4.21 | 49.26 | 0.13 | 42.1 |
| 5.222 | 30.9 | 6.98 | 0.3 | 4.21 | 46.65 | 0.14 | 42.1 |
| 5.237 | 30.9 | 6.98 | 0.15 | 4.21 | 47.86 | 0.15 | 42.1 |
| 5.252 | 30.9 | 6.98 | 0.38 | 4.19 | 44.29 | 0.11 | 42.1 |
| 5.275 | 30.9 | 6.98 | 0.3 | 4.19 | 42.59 | 0.12 | 42.1 |
| 5.294 | 30.9 | 6.98 | 0.42 | 4.2 | 40.0 | 0.15 | 42.1 |
| 5.315 | 30.9 | 6.98 | 0.38 | 4.2 | 40.64 | 0.12 | 42.1 |
| 5.317 | 30.9 | 6.98 | 0.3 | 4.19 | 41.54 | 0.12 | 42.1 |

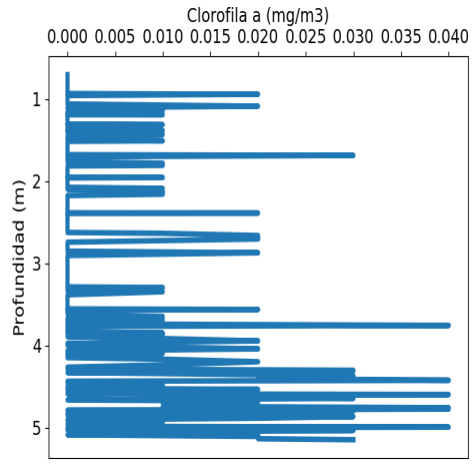
**Nombre: CTD E05 - Punto 007** **Fecha: 08/08/2022** **Hora: 07:08:46**

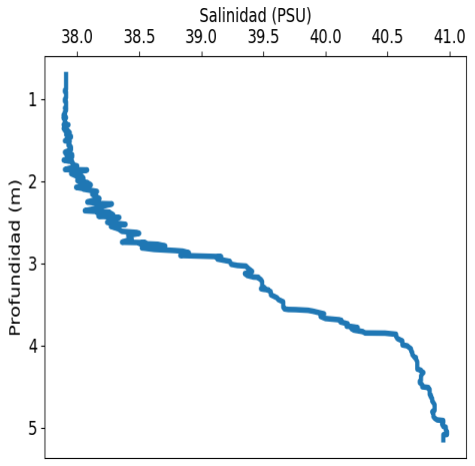


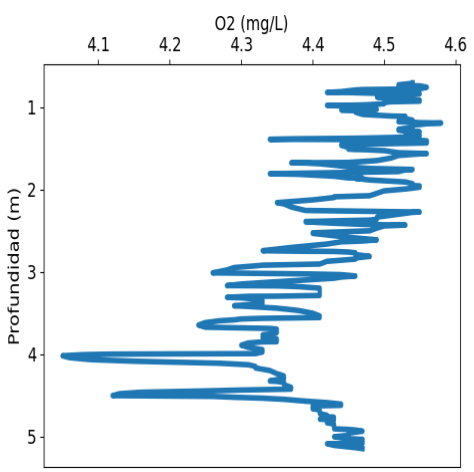



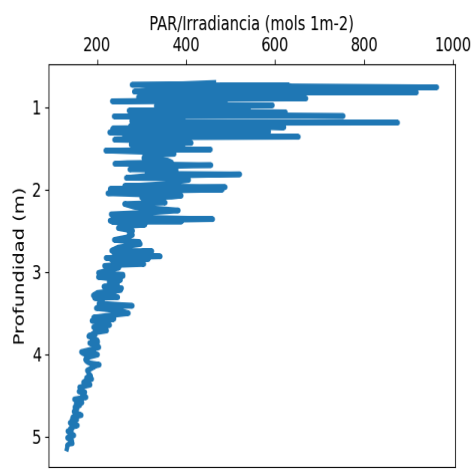



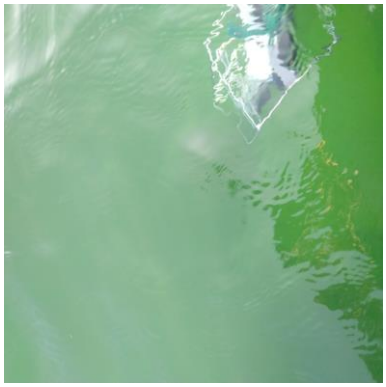



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 29.75 | 6.23 | 0.19 | 4.05 | 132.2 | 0.0 | 37.89 |
| **PROF (metros)** | 0.706 | 0.706 | 1.178 | 4.021 | 5.149 | 0.706 | 1.193 |
| **MÁXIMO** | 30.49 | 30.49 | 1.07 | 4.58 | 964.0 | 0.04 | 40.98 |
| **PROF (metros)** | 4.996 | 4.996 | 4.55 | 1.194 | 0.76 | 3.758 | 5.05 |

| 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 | 29.75 | 6.23 | 0.34 | 4.51 | 455.19 | 0.0 | 37.91 |
| 1 - 2m | 29.82 | 6.25 | 0.36 | 4.5 | 371.54 | 0.0 | 37.93 |
| 2 - 3m | 30.0 | 6.33 | 0.45 | 4.44 | 291.49 | 0.0 | 38.39 |
| 3 - 4m | 30.26 | 6.57 | 0.51 | 4.34 | 214.07 | 0.0 | 39.82 |
| 4 - 5m | 30.46 | 6.74 | 0.82 | 4.34 | 164.44 | 0.01 | 40.81 |
| 5 - 6m | 30.49 | 6.77 | 0.83 | 4.45 | 137.49 | 0.02 | 40.96 |

| 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) |
| 0.706 | 29.75 | 6.23 | 0.3 | 4.54 | 462.91 | 0.0 | 37.91 |
| 0.712 | 29.75 | 6.23 | 0.23 | 4.54 | 434.22 | 0.0 | 37.91 |
| 0.721 | 29.75 | 6.23 | 0.3 | 4.53 | 393.76 | 0.0 | 37.91 |
| 0.73 | 29.75 | 6.23 | 0.42 | 4.52 | 278.0 | 0.0 | 37.91 |
| 0.739 | 29.75 | 6.23 | 0.3 | 4.52 | 631.36 | 0.0 | 37.91 |
| 0.74 | 29.75 | 6.23 | 0.3 | 4.53 | 479.06 | 0.0 | 37.91 |
| 0.743 | 29.75 | 6.23 | 0.38 | 4.55 | 515.82 | 0.0 | 37.91 |
| 0.76 | 29.75 | 6.23 | 0.27 | 4.56 | 964.0 | 0.0 | 37.91 |
| 0.779 | 29.75 | 6.23 | 0.53 | 4.55 | 390.13 | 0.0 | 37.91 |
| 0.788 | 29.75 | 6.23 | 0.38 | 4.47 | 339.01 | 0.0 | 37.91 |
| 0.793 | 29.75 | 6.23 | 0.3 | 4.46 | 321.26 | 0.0 | 37.91 |
| 0.813 | 29.75 | 6.23 | 0.23 | 4.44 | 283.07 | 0.0 | 37.91 |
| 0.823 | 29.75 | 6.23 | 0.3 | 4.42 | 918.2 | 0.0 | 37.91 |
| 0.824 | 29.75 | 6.23 | 0.34 | 4.45 | 428.32 | 0.0 | 37.91 |
| 0.836 | 29.75 | 6.23 | 0.27 | 4.5 | 353.78 | 0.0 | 37.91 |
| 0.839 | 29.75 | 6.23 | 0.27 | 4.55 | 436.34 | 0.0 | 37.91 |
| 0.846 | 29.75 | 6.23 | 0.38 | 4.54 | 396.69 | 0.0 | 37.91 |
| 0.862 | 29.75 | 6.23 | 0.42 | 4.53 | 449.06 | 0.0 | 37.91 |
| 0.876 | 29.75 | 6.23 | 0.3 | 4.5 | 498.66 | 0.0 | 37.91 |
| 0.879 | 29.75 | 6.23 | 0.3 | 4.49 | 292.47 | 0.0 | 37.91 |
| 0.886 | 29.75 | 6.23 | 0.42 | 4.5 | 432.81 | 0.0 | 37.91 |
| 0.896 | 29.75 | 6.23 | 0.42 | 4.51 | 669.95 | 0.0 | 37.9 |
| 0.905 | 29.75 | 6.23 | 0.23 | 4.51 | 441.02 | 0.0 | 37.9 |
| 0.911 | 29.75 | 6.23 | 0.3 | 4.53 | 490.52 | 0.0 | 37.9 |
| 0.916 | 29.75 | 6.23 | 0.5 | 4.55 | 440.3 | 0.0 | 37.91 |
| 0.929 | 29.75 | 6.23 | 0.3 | 4.55 | 233.59 | 0.0 | 37.91 |
| 0.934 | 29.75 | 6.23 | 0.34 | 4.52 | 464.84 | 0.0 | 37.91 |
| 0.936 | 29.75 | 6.23 | 0.46 | 4.51 | 428.03 | 0.0 | 37.91 |
| 0.945 | 29.75 | 6.23 | 0.3 | 4.5 | 473.98 | 0.02 | 37.91 |
| 0.96 | 29.75 | 6.23 | 0.3 | 4.5 | 416.29 | 0.0 | 37.91 |
| 0.971 | 29.75 | 6.23 | 0.23 | 4.48 | 432.71 | 0.0 | 37.91 |
| 0.977 | 29.75 | 6.23 | 0.38 | 4.46 | 359.4 | 0.0 | 37.91 |
| 0.979 | 29.75 | 6.23 | 0.46 | 4.42 | 594.57 | 0.0 | 37.91 |
| 0.987 | 29.75 | 6.23 | 0.38 | 4.44 | 332.39 | 0.0 | 37.91 |
| 1.007 | 29.75 | 6.23 | 0.23 | 4.48 | 474.09 | 0.0 | 37.9 |
| 1.028 | 29.75 | 6.23 | 0.3 | 4.49 | 540.92 | 0.0 | 37.9 |

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|---|---|---|---|---|---|---|---|
| 1.036 | 29.75 | 6.23 | 0.27 | 4.44 | 524.99 | 0.0 | 37.91 |
| 1.044 | 29.75 | 6.23 | 0.3 | 4.46 | 271.25 | 0.0 | 37.91 |
| 1.063 | 29.75 | 6.23 | 0.34 | 4.46 | 623.79 | 0.0 | 37.91 |
| 1.09 | 29.75 | 6.23 | 0.38 | 4.47 | 366.29 | 0.02 | 37.91 |
| 1.109 | 29.75 | 6.23 | 0.3 | 4.51 | 753.66 | 0.0 | 37.91 |
| 1.113 | 29.75 | 6.23 | 0.34 | 4.53 | 237.74 | 0.0 | 37.9 |
| 1.123 | 29.75 | 6.23 | 0.34 | 4.52 | 363.67 | 0.0 | 37.91 |
| 1.142 | 29.75 | 6.23 | 0.34 | 4.53 | 385.72 | 0.01 | 37.91 |
| 1.16 | 29.75 | 6.23 | 0.46 | 4.54 | 394.4 | 0.0 | 37.9 |
| 1.17 | 29.75 | 6.23 | 0.23 | 4.54 | 277.1 | 0.0 | 37.9 |
| 1.178 | 29.75 | 6.23 | 0.19 | 4.52 | 358.07 | 0.0 | 37.9 |
| 1.184 | 29.76 | 6.23 | 0.27 | 4.54 | 399.83 | 0.0 | 37.9 |
| 1.19 | 29.76 | 6.23 | 0.3 | 4.55 | 876.0 | 0.0 | 37.9 |
| 1.193 | 29.76 | 6.23 | 0.23 | 4.57 | 357.15 | 0.01 | 37.89 |
| 1.194 | 29.77 | 6.23 | 0.27 | 4.58 | 407.41 | 0.0 | 37.89 |
| 1.202 | 29.77 | 6.24 | 0.5 | 4.56 | 508.7 | 0.0 | 37.9 |
| 1.213 | 29.77 | 6.23 | 0.34 | 4.55 | 309.49 | 0.0 | 37.89 |
| 1.22 | 29.77 | 6.23 | 0.38 | 4.54 | 314.04 | 0.0 | 37.89 |
| 1.225 | 29.77 | 6.23 | 0.42 | 4.54 | 540.67 | 0.0 | 37.9 |
| 1.226 | 29.77 | 6.24 | 0.3 | 4.54 | 364.34 | 0.0 | 37.91 |
| 1.231 | 29.77 | 6.24 | 0.3 | 4.54 | 274.29 | 0.0 | 37.91 |
| 1.238 | 29.77 | 6.23 | 0.23 | 4.54 | 587.31 | 0.0 | 37.89 |
| 1.246 | 29.78 | 6.24 | 0.38 | 4.54 | 620.48 | 0.0 | 37.9 |
| 1.257 | 29.78 | 6.24 | 0.42 | 4.53 | 236.09 | 0.0 | 37.9 |
| 1.27 | 29.77 | 6.24 | 0.27 | 4.52 | 233.86 | 0.0 | 37.9 |
| 1.281 | 29.77 | 6.24 | 0.3 | 4.52 | 519.66 | 0.0 | 37.9 |
| 1.294 | 29.78 | 6.24 | 0.27 | 4.53 | 277.74 | 0.0 | 37.9 |
| 1.301 | 29.78 | 6.24 | 0.23 | 4.55 | 586.22 | 0.0 | 37.91 |
| 1.308 | 29.78 | 6.24 | 0.27 | 4.54 | 227.71 | 0.0 | 37.91 |
| 1.315 | 29.78 | 6.24 | 0.23 | 4.54 | 246.89 | 0.01 | 37.89 |
| 1.316 | 29.79 | 6.24 | 0.38 | 4.53 | 351.9 | 0.0 | 37.93 |
| 1.327 | 29.79 | 6.24 | 0.38 | 4.54 | 303.1 | 0.0 | 37.92 |
| 1.347 | 29.79 | 6.24 | 0.34 | 4.55 | 492.0 | 0.0 | 37.9 |
| 1.362 | 29.79 | 6.24 | 0.27 | 4.54 | 652.94 | 0.0 | 37.89 |
| 1.37 | 29.79 | 6.24 | 0.3 | 4.51 | 284.32 | 0.0 | 37.9 |
| 1.379 | 29.79 | 6.24 | 0.27 | 4.46 | 277.87 | 0.0 | 37.92 |
| 1.386 | 29.79 | 6.24 | 0.42 | 4.37 | 257.53 | 0.01 | 37.9 |
| 1.392 | 29.79 | 6.24 | 0.27 | 4.34 | 348.0 | 0.0 | 37.92 |
| 1.397 | 29.8 | 6.24 | 0.3 | 4.54 | 238.73 | 0.0 | 37.93 |
| 1.411 | 29.8 | 6.24 | 0.23 | 4.56 | 348.49 | 0.0 | 37.94 |
| 1.436 | 29.8 | 6.24 | 0.42 | 4.56 | 412.06 | 0.01 | 37.91 |
| 1.456 | 29.79 | 6.25 | 0.38 | 4.44 | 275.82 | 0.0 | 37.95 |
| 1.466 | 29.79 | 6.25 | 0.42 | 4.44 | 342.56 | 0.0 | 37.95 |
| 1.49 | 29.8 | 6.24 | 0.27 | 4.45 | 393.67 | 0.0 | 37.92 |
| 1.511 | 29.81 | 6.24 | 0.3 | 4.45 | 290.38 | 0.01 | 37.9 |
| 1.516 | 29.81 | 6.24 | 0.38 | 4.46 | 455.25 | 0.0 | 37.94 |
| 1.517 | 29.81 | 6.25 | 0.3 | 4.47 | 401.78 | 0.0 | 37.94 |
| 1.529 | 29.81 | 6.24 | 0.42 | 4.5 | 218.91 | 0.0 | 37.93 |
| 1.555 | 29.81 | 6.24 | 0.53 | 4.52 | 359.9 | 0.0 | 37.93 |
| 1.565 | 29.82 | 6.25 | 0.46 | 4.56 | 305.93 | 0.0 | 37.94 |
| 1.569 | 29.82 | 6.24 | 0.42 | 4.55 | 373.75 | 0.0 | 37.93 |
| 1.588 | 29.82 | 6.25 | 0.5 | 4.52 | 307.28 | 0.0 | 37.95 |
| 1.619 | 29.83 | 6.25 | 0.42 | 4.51 | 304.44 | 0.0 | 37.95 |
| 1.65 | 29.84 | 6.24 | 0.34 | 4.49 | 358.65 | 0.0 | 37.9 |
| 1.673 | 29.85 | 6.25 | 0.61 | 4.45 | 367.82 | 0.0 | 37.91 |
| 1.678 | 29.85 | 6.25 | 0.46 | 4.37 | 298.71 | 0.0 | 37.93 |
| 1.68 | 29.85 | 6.25 | 0.34 | 4.39 | 268.31 | 0.0 | 37.96 |
| 1.689 | 29.86 | 6.25 | 0.38 | 4.41 | 239.34 | 0.03 | 37.92 |

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|---|---|---|---|---|---|---|---|
| 1.706 | 29.87 | 6.25 | 0.38 | 4.43 | 456.41 | 0.0 | 37.96 |
| 1.727 | 29.88 | 6.25 | 0.5 | 4.45 | 292.47 | 0.0 | 37.93 |
| 1.746 | 29.89 | 6.25 | 0.3 | 4.48 | 279.74 | 0.0 | 37.89 |
| 1.758 | 29.9 | 6.25 | 0.38 | 4.54 | 273.02 | 0.0 | 37.93 |
| 1.763 | 29.9 | 6.26 | 0.42 | 4.53 | 378.2 | 0.0 | 37.96 |
| 1.784 | 29.9 | 6.26 | 0.5 | 4.52 | 320.96 | 0.01 | 37.96 |
| 1.81 | 29.9 | 6.26 | 0.38 | 4.34 | 311.51 | 0.01 | 37.98 |
| 1.817 | 29.91 | 6.27 | 0.3 | 4.38 | 521.23 | 0.0 | 38.0 |
| 1.84 | 29.91 | 6.26 | 0.3 | 4.43 | 304.16 | 0.0 | 37.95 |
| 1.861 | 29.91 | 6.25 | 0.19 | 4.45 | 265.22 | 0.0 | 37.9 |
| 1.863 | 29.9 | 6.26 | 0.46 | 4.47 | 318.07 | 0.0 | 37.98 |
| 1.866 | 29.9 | 6.28 | 0.42 | 4.46 | 360.31 | 0.0 | 38.08 |
| 1.886 | 29.9 | 6.27 | 0.3 | 4.48 | 406.28 | 0.0 | 38.01 |
| 1.91 | 29.91 | 6.26 | 0.5 | 4.53 | 372.54 | 0.0 | 37.95 |
| 1.931 | 29.91 | 6.26 | 0.61 | 4.54 | 361.99 | 0.0 | 37.98 |
| 1.945 | 29.91 | 6.27 | 0.46 | 4.54 | 319.48 | 0.0 | 38.04 |
| 1.953 | 29.91 | 6.27 | 0.57 | 4.54 | 297.26 | 0.0 | 38.01 |
| 1.958 | 29.91 | 6.27 | 0.5 | 4.55 | 261.44 | 0.01 | 38.0 |
| 1.963 | 29.91 | 6.27 | 0.27 | 4.55 | 318.66 | 0.0 | 38.05 |
| 1.973 | 29.91 | 6.27 | 0.38 | 4.55 | 488.48 | 0.0 | 38.05 |
| 1.985 | 29.91 | 6.27 | 0.38 | 4.54 | 340.98 | 0.0 | 38.05 |
| 1.995 | 29.92 | 6.27 | 0.38 | 4.53 | 228.92 | 0.0 | 38.0 |
| 2.003 | 29.92 | 6.27 | 0.57 | 4.52 | 481.84 | 0.0 | 38.01 |
| 2.018 | 29.92 | 6.28 | 0.46 | 4.5 | 320.81 | 0.0 | 38.08 |
| 2.048 | 29.92 | 6.28 | 0.5 | 4.49 | 223.68 | 0.0 | 38.11 |
| 2.077 | 29.93 | 6.27 | 0.5 | 4.48 | 389.59 | 0.0 | 37.99 |
| 2.09 | 29.92 | 6.27 | 0.42 | 4.43 | 367.91 | 0.01 | 38.04 |
| 2.099 | 29.93 | 6.27 | 0.53 | 4.43 | 299.61 | 0.0 | 38.05 |
| 2.128 | 29.93 | 6.29 | 0.3 | 4.4 | 336.73 | 0.01 | 38.16 |
| 2.161 | 29.93 | 6.29 | 0.38 | 4.35 | 353.69 | 0.01 | 38.12 |
| 2.177 | 29.94 | 6.29 | 0.42 | 4.36 | 261.14 | 0.0 | 38.14 |
| 2.214 | 29.94 | 6.3 | 0.42 | 4.37 | 284.25 | 0.0 | 38.18 |
| 2.256 | 29.94 | 6.28 | 0.5 | 4.39 | 383.05 | 0.0 | 38.08 |
| 2.275 | 29.95 | 6.3 | 0.5 | 4.55 | 336.19 | 0.0 | 38.18 |
| 2.279 | 29.95 | 6.31 | 0.57 | 4.54 | 324.63 | 0.0 | 38.28 |
| 2.302 | 29.96 | 6.3 | 0.27 | 4.52 | 231.11 | 0.0 | 38.22 |
| 2.337 | 29.96 | 6.29 | 0.46 | 4.49 | 237.08 | 0.0 | 38.14 |
| 2.362 | 29.97 | 6.28 | 0.42 | 4.49 | 460.34 | 0.0 | 38.06 |
| 2.373 | 29.96 | 6.3 | 0.42 | 4.48 | 332.32 | 0.0 | 38.18 |
| 2.38 | 29.94 | 6.31 | 0.53 | 4.44 | 228.66 | 0.0 | 38.26 |
| 2.387 | 29.94 | 6.29 | 0.38 | 4.41 | 288.3 | 0.0 | 38.16 |
| 2.39 | 29.94 | 6.3 | 0.5 | 4.39 | 390.22 | 0.02 | 38.18 |
| 2.394 | 29.95 | 6.31 | 0.34 | 4.39 | 233.91 | 0.0 | 38.27 |
| 2.411 | 29.95 | 6.31 | 0.5 | 4.43 | 261.8 | 0.0 | 38.29 |
| 2.428 | 29.95 | 6.3 | 0.38 | 4.48 | 308.13 | 0.0 | 38.17 |
| 2.433 | 29.96 | 6.3 | 0.46 | 4.53 | 301.7 | 0.0 | 38.22 |
| 2.444 | 29.96 | 6.32 | 0.42 | 4.5 | 264.3 | 0.0 | 38.34 |
| 2.47 | 29.96 | 6.31 | 0.34 | 4.49 | 247.18 | 0.0 | 38.28 |
| 2.503 | 29.96 | 6.31 | 0.42 | 4.48 | 280.33 | 0.0 | 38.24 |
| 2.528 | 29.98 | 6.33 | 0.46 | 4.4 | 277.61 | 0.0 | 38.39 |
| 2.534 | 29.99 | 6.32 | 0.57 | 4.4 | 271.82 | 0.0 | 38.29 |
| 2.553 | 29.99 | 6.31 | 0.27 | 4.42 | 279.94 | 0.0 | 38.27 |
| 2.582 | 29.99 | 6.32 | 0.3 | 4.45 | 267.32 | 0.0 | 38.33 |
| 2.613 | 30.0 | 6.33 | 0.34 | 4.49 | 238.18 | 0.0 | 38.36 |
| 2.627 | 30.01 | 6.35 | 0.34 | 4.47 | 262.47 | 0.0 | 38.48 |
| 2.637 | 30.01 | 6.35 | 0.57 | 4.44 | 294.92 | 0.01 | 38.5 |
| 2.664 | 30.02 | 6.34 | 0.53 | 4.42 | 297.6 | 0.02 | 38.41 |
| 2.706 | 30.03 | 6.34 | 0.34 | 4.37 | 247.29 | 0.02 | 38.44 |

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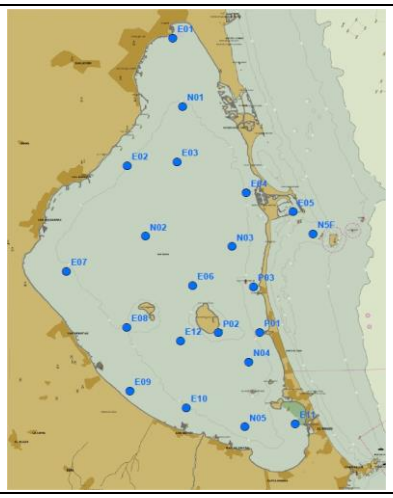
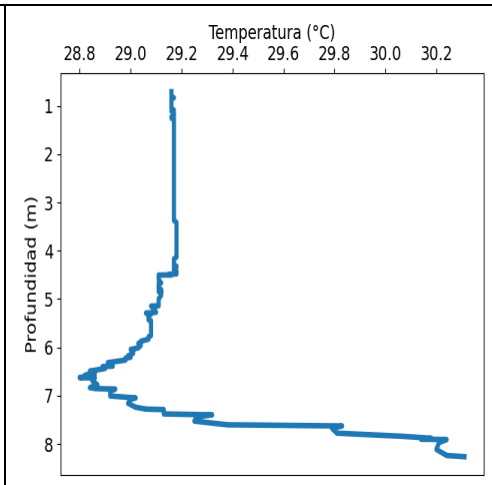
|---|---|---|---|---|---|---|---|
| 2.745 | 30.03 | 6.33 | 0.57 | 4.33 | 232.24 | 0.0 | 38.36 |
| 2.751 | 30.05 | 6.36 | 0.57 | 4.38 | 323.65 | 0.0 | 38.55 |
| 2.754 | 30.05 | 6.36 | 0.53 | 4.43 | 304.65 | 0.0 | 38.52 |
| 2.761 | 30.06 | 6.36 | 0.5 | 4.45 | 294.11 | 0.0 | 38.5 |
| 2.771 | 30.07 | 6.38 | 0.3 | 4.46 | 237.08 | 0.0 | 38.65 |
| 2.792 | 30.08 | 6.39 | 0.57 | 4.46 | 269.5 | 0.0 | 38.71 |
| 2.814 | 30.08 | 6.36 | 0.38 | 4.48 | 342.48 | 0.0 | 38.52 |
| 2.833 | 30.09 | 6.38 | 0.42 | 4.46 | 219.67 | 0.0 | 38.62 |
| 2.847 | 30.1 | 6.4 | 0.5 | 4.46 | 315.5 | 0.0 | 38.79 |
| 2.854 | 30.11 | 6.41 | 0.42 | 4.45 | 231.54 | 0.0 | 38.85 |
| 2.874 | 30.12 | 6.42 | 0.53 | 4.42 | 287.5 | 0.02 | 38.9 |
| 2.907 | 30.12 | 6.41 | 0.53 | 4.41 | 305.64 | 0.0 | 38.83 |
| 2.921 | 30.14 | 6.46 | 0.42 | 4.33 | 234.4 | 0.0 | 39.16 |
| 2.929 | 30.15 | 6.46 | 0.57 | 4.32 | 216.19 | 0.0 | 39.12 |
| 2.95 | 30.15 | 6.46 | 0.34 | 4.29 | 249.6 | 0.0 | 39.13 |
| 2.979 | 30.15 | 6.47 | 0.46 | 4.28 | 227.87 | 0.0 | 39.23 |
| 3.014 | 30.16 | 6.48 | 0.53 | 4.26 | 202.56 | 0.0 | 39.24 |
| 3.028 | 30.17 | 6.48 | 0.53 | 4.4 | 231.65 | 0.0 | 39.29 |
| 3.036 | 30.17 | 6.49 | 0.5 | 4.44 | 258.67 | 0.0 | 39.36 |
| 3.052 | 30.17 | 6.5 | 0.65 | 4.46 | 259.03 | 0.0 | 39.37 |
| 3.065 | 30.17 | 6.5 | 0.34 | 4.44 | 202.37 | 0.0 | 39.38 |
| 3.079 | 30.17 | 6.5 | 0.38 | 4.43 | 225.34 | 0.0 | 39.39 |
| 3.101 | 30.17 | 6.5 | 0.38 | 4.39 | 253.15 | 0.0 | 39.41 |
| 3.127 | 30.17 | 6.49 | 0.42 | 4.34 | 226.5 | 0.0 | 39.35 |
| 3.15 | 30.17 | 6.5 | 0.5 | 4.3 | 246.43 | 0.0 | 39.37 |
| 3.169 | 30.17 | 6.5 | 0.5 | 4.28 | 238.34 | 0.0 | 39.42 |
| 3.172 | 30.18 | 6.51 | 0.5 | 4.35 | 229.19 | 0.0 | 39.46 |
| 3.181 | 30.19 | 6.51 | 0.61 | 4.38 | 214.69 | 0.0 | 39.46 |
| 3.2 | 30.19 | 6.51 | 0.5 | 4.41 | 255.57 | 0.0 | 39.48 |
| 3.224 | 30.19 | 6.52 | 0.61 | 4.41 | 253.15 | 0.0 | 39.49 |
| 3.256 | 30.19 | 6.52 | 0.46 | 4.41 | 200.73 | 0.0 | 39.49 |
| 3.289 | 30.19 | 6.51 | 0.5 | 4.41 | 190.93 | 0.0 | 39.49 |
| 3.297 | 30.19 | 6.52 | 0.53 | 4.35 | 216.39 | 0.01 | 39.5 |
| 3.299 | 30.19 | 6.52 | 0.46 | 4.31 | 241.46 | 0.01 | 39.51 |
| 3.311 | 30.19 | 6.51 | 0.5 | 4.28 | 247.06 | 0.0 | 39.48 |
| 3.318 | 30.19 | 6.52 | 0.38 | 4.3 | 193.74 | 0.0 | 39.5 |
| 3.325 | 30.2 | 6.52 | 0.46 | 4.31 | 212.95 | 0.0 | 39.54 |
| 3.331 | 30.2 | 6.52 | 0.61 | 4.32 | 213.25 | 0.0 | 39.54 |
| 3.348 | 30.2 | 6.53 | 0.57 | 4.33 | 209.58 | 0.01 | 39.56 |
| 3.385 | 30.2 | 6.53 | 0.38 | 4.33 | 203.73 | 0.0 | 39.56 |
| 3.414 | 30.21 | 6.53 | 0.42 | 4.29 | 279.61 | 0.0 | 39.6 |
| 3.422 | 30.21 | 6.54 | 0.42 | 4.31 | 207.16 | 0.0 | 39.61 |
| 3.443 | 30.22 | 6.54 | 0.5 | 4.35 | 197.69 | 0.0 | 39.62 |
| 3.471 | 30.22 | 6.54 | 0.42 | 4.38 | 249.36 | 0.0 | 39.66 |
| 3.504 | 30.22 | 6.54 | 0.5 | 4.4 | 270.88 | 0.0 | 39.66 |
| 3.537 | 30.23 | 6.54 | 0.53 | 4.41 | 219.21 | 0.0 | 39.66 |
| 3.557 | 30.23 | 6.55 | 0.5 | 4.41 | 191.64 | 0.0 | 39.67 |
| 3.564 | 30.24 | 6.55 | 0.57 | 4.35 | 237.52 | 0.02 | 39.7 |
| 3.566 | 30.25 | 6.56 | 0.5 | 4.33 | 202.13 | 0.0 | 39.76 |
| 3.574 | 30.26 | 6.58 | 0.5 | 4.3 | 238.23 | 0.0 | 39.86 |
| 3.585 | 30.27 | 6.59 | 0.53 | 4.29 | 226.86 | 0.0 | 39.9 |
| 3.596 | 30.28 | 6.59 | 0.38 | 4.27 | 187.99 | 0.0 | 39.93 |
| 3.618 | 30.29 | 6.6 | 0.5 | 4.25 | 210.45 | 0.0 | 39.99 |
| 3.648 | 30.29 | 6.6 | 0.57 | 4.24 | 228.82 | 0.01 | 39.96 |
| 3.674 | 30.3 | 6.6 | 0.57 | 4.25 | 191.55 | 0.0 | 40.0 |
| 3.689 | 30.32 | 6.62 | 0.57 | 4.34 | 197.69 | 0.01 | 40.11 |
| 3.697 | 30.32 | 6.62 | 0.69 | 4.35 | 205.77 | 0.0 | 40.13 |
| 3.715 | 30.33 | 6.62 | 0.5 | 4.35 | 221.97 | 0.0 | 40.12 |

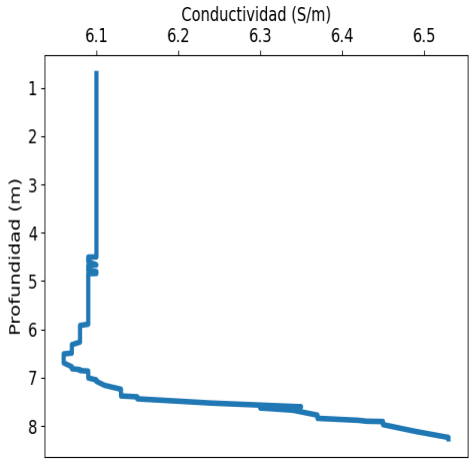
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.739 | 30.33 | 6.63 | 0.57 | 4.35 | 194.64 | 0.0 | 40.18 |
| 3.758 | 30.33 | 6.63 | 0.53 | 4.34 | 189.21 | 0.04 | 40.18 |
| 3.767 | 30.34 | 6.63 | 0.61 | 4.33 | 196.32 | 0.01 | 40.17 |
| 3.772 | 30.34 | 6.64 | 0.69 | 4.33 | 182.87 | 0.0 | 40.21 |
| 3.784 | 30.34 | 6.64 | 0.5 | 4.33 | 180.68 | 0.0 | 40.26 |
| 3.798 | 30.35 | 6.64 | 0.57 | 4.33 | 190.44 | 0.0 | 40.21 |
| 3.815 | 30.35 | 6.64 | 0.69 | 4.35 | 188.25 | 0.0 | 40.23 |
| 3.833 | 30.35 | 6.65 | 0.46 | 4.35 | 200.73 | 0.0 | 40.3 |
| 3.85 | 30.36 | 6.66 | 0.57 | 4.35 | 192.4 | 0.01 | 40.32 |
| 3.852 | 30.37 | 6.68 | 0.42 | 4.33 | 201.9 | 0.0 | 40.48 |
| 3.866 | 30.39 | 6.7 | 0.57 | 4.31 | 182.87 | 0.01 | 40.57 |
| 3.893 | 30.4 | 6.7 | 0.57 | 4.3 | 200.22 | 0.0 | 40.57 |
| 3.918 | 30.41 | 6.7 | 0.38 | 4.31 | 204.54 | 0.01 | 40.58 |
| 3.947 | 30.42 | 6.71 | 0.53 | 4.33 | 185.56 | 0.02 | 40.62 |
| 3.975 | 30.42 | 6.71 | 0.53 | 4.33 | 164.3 | 0.0 | 40.62 |
| 3.995 | 30.42 | 6.71 | 0.65 | 4.32 | 169.88 | 0.0 | 40.62 |
| 4.0 | 30.42 | 6.71 | 0.57 | 4.18 | 197.5 | 0.0 | 40.64 |
| 4.001 | 30.42 | 6.71 | 0.72 | 4.12 | 184.36 | 0.0 | 40.64 |
| 4.007 | 30.43 | 6.71 | 0.53 | 4.08 | 201.62 | 0.01 | 40.66 |
| 4.021 | 30.43 | 6.72 | 0.53 | 4.05 | 191.68 | 0.01 | 40.67 |
| 4.044 | 30.43 | 6.72 | 0.8 | 4.06 | 175.48 | 0.02 | 40.69 |
| 4.068 | 30.43 | 6.72 | 0.65 | 4.09 | 173.42 | 0.0 | 40.69 |
| 4.087 | 30.43 | 6.72 | 0.5 | 4.15 | 176.22 | 0.0 | 40.7 |
| 4.099 | 30.43 | 6.72 | 0.72 | 4.21 | 179.68 | 0.01 | 40.7 |
| 4.112 | 30.43 | 6.72 | 0.57 | 4.27 | 184.83 | 0.0 | 40.7 |
| 4.13 | 30.43 | 6.72 | 0.53 | 4.31 | 205.44 | 0.0 | 40.71 |
| 4.149 | 30.44 | 6.72 | 0.76 | 4.32 | 189.7 | 0.0 | 40.72 |
| 4.15 | 30.44 | 6.73 | 0.69 | 4.32 | 194.37 | 0.0 | 40.73 |
| 4.169 | 30.44 | 6.73 | 0.8 | 4.32 | 188.47 | 0.01 | 40.73 |
| 4.2 | 30.44 | 6.73 | 0.8 | 4.34 | 177.57 | 0.02 | 40.74 |
| 4.238 | 30.44 | 6.73 | 0.76 | 4.35 | 181.78 | 0.01 | 40.74 |
| 4.266 | 30.44 | 6.73 | 0.8 | 4.36 | 186.04 | 0.0 | 40.74 |
| 4.289 | 30.45 | 6.73 | 0.76 | 4.36 | 175.69 | 0.0 | 40.74 |
| 4.304 | 30.45 | 6.73 | 0.72 | 4.36 | 188.47 | 0.03 | 40.77 |
| 4.311 | 30.45 | 6.73 | 0.84 | 4.35 | 178.35 | 0.03 | 40.77 |
| 4.327 | 30.45 | 6.74 | 0.69 | 4.34 | 177.45 | 0.01 | 40.78 |
| 4.332 | 30.46 | 6.74 | 0.76 | 4.35 | 171.98 | 0.0 | 40.79 |
| 4.344 | 30.46 | 6.73 | 0.92 | 4.36 | 169.02 | 0.01 | 40.78 |
| 4.373 | 30.45 | 6.73 | 0.76 | 4.36 | 184.79 | 0.03 | 40.77 |
| 4.404 | 30.45 | 6.73 | 0.95 | 4.37 | 160.24 | 0.02 | 40.77 |
| 4.426 | 30.45 | 6.73 | 0.72 | 4.37 | 164.69 | 0.04 | 40.77 |
| 4.437 | 30.45 | 6.73 | 0.88 | 4.3 | 167.26 | 0.0 | 40.76 |
| 4.446 | 30.45 | 6.73 | 0.76 | 4.26 | 165.03 | 0.0 | 40.76 |
| 4.455 | 30.45 | 6.73 | 0.8 | 4.21 | 158.84 | 0.0 | 40.76 |
| 4.464 | 30.45 | 6.73 | 1.03 | 4.16 | 173.02 | 0.01 | 40.77 |
| 4.482 | 30.45 | 6.73 | 0.88 | 4.13 | 166.45 | 0.01 | 40.78 |
| 4.505 | 30.45 | 6.73 | 0.88 | 4.12 | 171.62 | 0.0 | 40.78 |
| 4.514 | 30.46 | 6.74 | 0.92 | 4.26 | 166.07 | 0.0 | 40.83 |
| 4.525 | 30.46 | 6.74 | 0.84 | 4.29 | 175.73 | 0.0 | 40.83 |
| 4.536 | 30.46 | 6.74 | 1.03 | 4.33 | 163.2 | 0.02 | 40.84 |
| 4.55 | 30.46 | 6.74 | 1.07 | 4.36 | 148.68 | 0.0 | 40.84 |
| 4.572 | 30.46 | 6.74 | 0.92 | 4.39 | 160.35 | 0.01 | 40.84 |
| 4.59 | 30.46 | 6.74 | 0.92 | 4.42 | 166.57 | 0.0 | 40.84 |
| 4.599 | 30.46 | 6.74 | 0.88 | 4.43 | 159.39 | 0.04 | 40.84 |
| 4.608 | 30.46 | 6.75 | 0.95 | 4.44 | 152.24 | 0.02 | 40.85 |
| 4.623 | 30.46 | 6.75 | 0.84 | 4.44 | 161.47 | 0.01 | 40.85 |
| 4.63 | 30.47 | 6.75 | 0.92 | 4.4 | 155.34 | 0.02 | 40.85 |
| 4.646 | 30.47 | 6.75 | 0.95 | 4.4 | 149.55 | 0.03 | 40.86 |

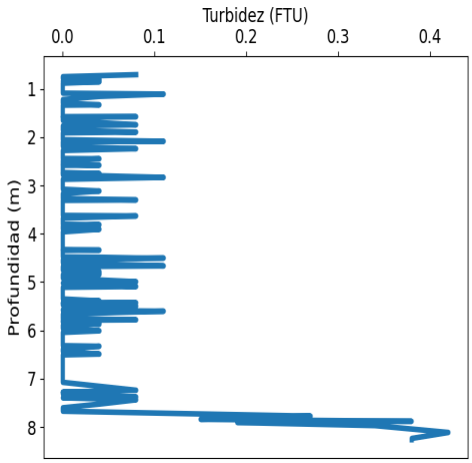
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.665 | 30.47 | 6.75 | 1.03 | 4.4 | 155.45 | 0.0 | 40.86 |
| 4.678 | 30.47 | 6.75 | 0.95 | 4.41 | 152.42 | 0.02 | 40.86 |
| 4.699 | 30.47 | 6.75 | 0.92 | 4.41 | 147.62 | 0.01 | 40.87 |
| 4.723 | 30.47 | 6.75 | 0.95 | 4.41 | 156.24 | 0.02 | 40.88 |
| 4.743 | 30.47 | 6.75 | 0.95 | 4.42 | 164.88 | 0.01 | 40.88 |
| 4.76 | 30.47 | 6.75 | 0.88 | 4.42 | 148.0 | 0.04 | 40.88 |
| 4.768 | 30.47 | 6.75 | 0.95 | 4.43 | 144.84 | 0.01 | 40.88 |
| 4.776 | 30.47 | 6.75 | 0.92 | 4.42 | 146.6 | 0.04 | 40.88 |
| 4.791 | 30.47 | 6.75 | 0.88 | 4.41 | 149.41 | 0.0 | 40.88 |
| 4.797 | 30.47 | 6.75 | 0.99 | 4.43 | 154.84 | 0.02 | 40.87 |
| 4.799 | 30.47 | 6.75 | 0.72 | 4.43 | 143.04 | 0.03 | 40.87 |
| 4.81 | 30.47 | 6.75 | 0.92 | 4.42 | 149.55 | 0.01 | 40.86 |
| 4.823 | 30.47 | 6.75 | 0.84 | 4.42 | 149.1 | 0.0 | 40.87 |
| 4.835 | 30.47 | 6.75 | 0.92 | 4.42 | 138.89 | 0.0 | 40.87 |
| 4.85 | 30.47 | 6.75 | 0.65 | 4.43 | 142.74 | 0.0 | 40.87 |
| 4.867 | 30.47 | 6.75 | 0.84 | 4.43 | 156.24 | 0.03 | 40.87 |
| 4.887 | 30.47 | 6.75 | 0.84 | 4.43 | 144.14 | 0.02 | 40.88 |
| 4.908 | 30.47 | 6.75 | 0.76 | 4.43 | 139.21 | 0.0 | 40.9 |
| 4.916 | 30.48 | 6.76 | 0.76 | 4.45 | 140.02 | 0.0 | 40.95 |
| 4.923 | 30.48 | 6.76 | 0.92 | 4.46 | 143.11 | 0.01 | 40.95 |
| 4.937 | 30.48 | 6.76 | 0.88 | 4.47 | 133.77 | 0.01 | 40.95 |
| 4.961 | 30.48 | 6.76 | 0.92 | 4.45 | 140.25 | 0.0 | 40.94 |
| 4.988 | 30.48 | 6.76 | 0.84 | 4.45 | 148.27 | 0.01 | 40.95 |
| 4.996 | 30.49 | 6.77 | 0.69 | 4.44 | 144.97 | 0.04 | 40.97 |
| 5.004 | 30.49 | 6.77 | 0.8 | 4.43 | 137.29 | 0.0 | 40.97 |
| 5.017 | 30.49 | 6.77 | 0.76 | 4.44 | 132.97 | 0.03 | 40.97 |
| 5.028 | 30.49 | 6.77 | 0.88 | 4.45 | 135.96 | 0.0 | 40.97 |
| 5.036 | 30.49 | 6.77 | 0.76 | 4.47 | 140.25 | 0.03 | 40.97 |
| 5.05 | 30.49 | 6.77 | 0.76 | 4.47 | 143.54 | 0.01 | 40.98 |
| 5.065 | 30.49 | 6.77 | 0.76 | 4.47 | 141.88 | 0.02 | 40.98 |
| 5.085 | 30.49 | 6.77 | 0.95 | 4.47 | 144.71 | 0.02 | 40.98 |
| 5.089 | 30.48 | 6.76 | 0.76 | 4.42 | 138.02 | 0.0 | 40.95 |
| 5.109 | 30.48 | 6.76 | 0.72 | 4.43 | 132.78 | 0.02 | 40.95 |
| 5.137 | 30.48 | 6.76 | 0.88 | 4.46 | 132.75 | 0.02 | 40.95 |
| 5.149 | 30.48 | 6.76 | 1.03 | 4.47 | 132.2 | 0.03 | 40.95 |

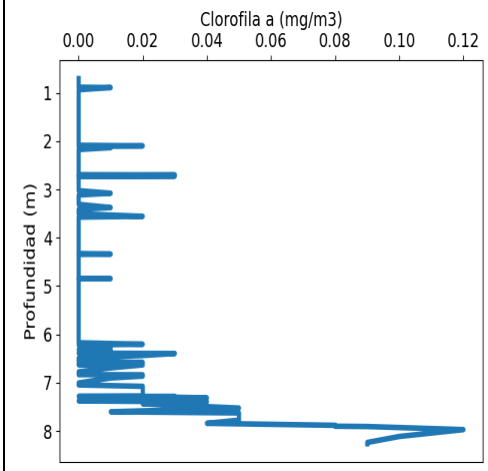
**Nombre: CTD N5F - Punto 008** **Fecha: 08/08/2022** **Hora: 07:08:45**

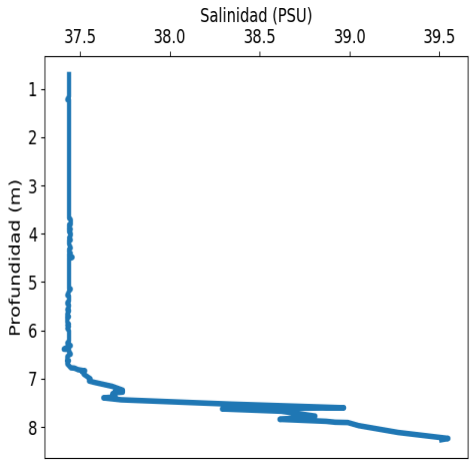


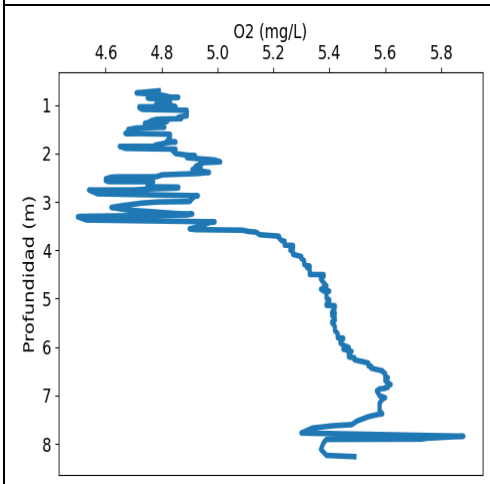



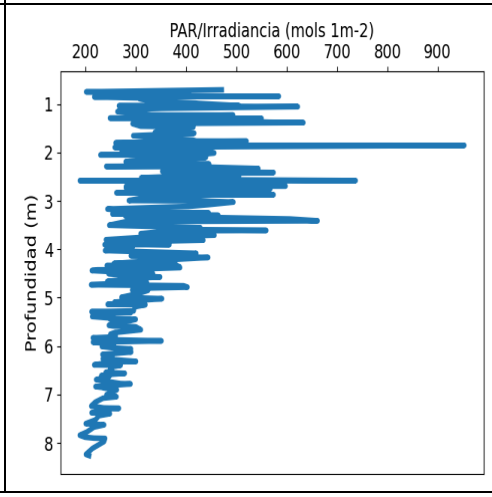




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 28.8 | 6.06 | 0.0 | 4.5 | 188.64 | 0.0 | 37.41 |
| **PROF (metros)** | 6.625 | 6.509 | 0.749 | 3.31 | 7.843 | 0.707 | 6.39 |
| **MÁXIMO** | 30.31 | 30.31 | 0.42 | 5.88 | 953.34 | 0.12 | 39.55 |
| **PROF (metros)** | 8.265 | 8.239 | 8.115 | 7.843 | 1.854 | 7.973 | 8.239 |

| 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 | 29.16 | 6.1 | 0.05 | 4.79 | 350.49 | 0.0 | 37.44 |
| 1 - 2m | 29.17 | 6.1 | 0.07 | 4.79 | 334.12 | 0.0 | 37.44 |
| 2 - 3m | 29.17 | 6.1 | 0.07 | 4.75 | 465.28 | 0.0 | 37.44 |
| 3 - 4m | 29.18 | 6.1 | 0.05 | 4.96 | 383.27 | 0.0 | 37.44 |
| 4 - 5m | 29.13 | 6.1 | 0.06 | 5.36 | 292.92 | 0.0 | 37.44 |
| 5 - 6m | 29.07 | 6.09 | 0.07 | 5.42 | 255.68 | 0.0 | 37.44 |
| 6 - 7m | 28.93 | 6.07 | 0.04 | 5.53 | 246.04 | 0.0 | 37.44 |
| 7 - 8m | 29.62 | 6.28 | 0.16 | 5.57 | 219.09 | 0.05 | 38.35 |
| 8 - 9m | 30.25 | 6.52 | 0.39 | 5.42 | 207.54 | 0.09 | 39.44 |

| 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 | 29.16 | 6.1 | 0.08 | 4.79 | 471.35 | 0.0 | 37.44 |
| 0.749 | 29.16 | 6.1 | 0.0 | 4.71 | 201.24 | 0.0 | 37.44 |
| 0.785 | 29.16 | 6.1 | 0.0 | 4.78 | 398.54 | 0.0 | 37.44 |
| 0.806 | 29.16 | 6.1 | 0.04 | 4.81 | 407.12 | 0.0 | 37.44 |
| 0.834 | 29.17 | 6.1 | 0.04 | 4.83 | 306.21 | 0.0 | 37.44 |
| 0.84 | 29.16 | 6.1 | 0.0 | 4.83 | 584.87 | 0.0 | 37.44 |
| 0.842 | 29.16 | 6.1 | 0.0 | 4.86 | 260.23 | 0.0 | 37.44 |
| 0.854 | 29.16 | 6.1 | 0.04 | 4.75 | 217.29 | 0.0 | 37.44 |
| 0.884 | 29.16 | 6.1 | 0.0 | 4.82 | 348.73 | 0.0 | 37.44 |
| 0.891 | 29.16 | 6.1 | 0.0 | 4.83 | 307.92 | 0.01 | 37.44 |
| 0.937 | 29.16 | 6.1 | 0.0 | 4.83 | 328.94 | 0.0 | 37.44 |
| 0.98 | 29.16 | 6.1 | 0.0 | 4.78 | 418.7 | 0.0 | 37.44 |
| 0.987 | 29.16 | 6.1 | 0.0 | 4.82 | 424.17 | 0.0 | 37.44 |
| 1.035 | 29.16 | 6.1 | 0.0 | 4.85 | 505.76 | 0.0 | 37.44 |
| 1.037 | 29.16 | 6.1 | 0.0 | 4.72 | 266.39 | 0.0 | 37.44 |
| 1.055 | 29.16 | 6.1 | 0.0 | 4.72 | 622.49 | 0.0 | 37.44 |
| 1.09 | 29.17 | 6.1 | 0.0 | 4.73 | 350.84 | 0.0 | 37.44 |
| 1.109 | 29.16 | 6.1 | 0.11 | 4.89 | 285.51 | 0.0 | 37.44 |
| 1.157 | 29.17 | 6.1 | 0.04 | 4.89 | 263.38 | 0.0 | 37.44 |
| 1.223 | 29.17 | 6.1 | 0.0 | 4.89 | 331.24 | 0.0 | 37.43 |
| 1.227 | 29.16 | 6.1 | 0.0 | 4.89 | 361.99 | 0.0 | 37.44 |
| 1.228 | 29.16 | 6.1 | 0.0 | 4.88 | 493.83 | 0.0 | 37.44 |
| 1.253 | 29.16 | 6.1 | 0.0 | 4.86 | 324.03 | 0.0 | 37.44 |
| 1.255 | 29.16 | 6.1 | 0.0 | 4.87 | 425.45 | 0.0 | 37.44 |
| 1.282 | 29.17 | 6.1 | 0.0 | 4.87 | 473.54 | 0.0 | 37.44 |
| 1.291 | 29.17 | 6.1 | 0.0 | 4.8 | 248.56 | 0.0 | 37.44 |
| 1.297 | 29.17 | 6.1 | 0.0 | 4.78 | 550.41 | 0.0 | 37.44 |
| 1.332 | 29.17 | 6.1 | 0.04 | 4.76 | 401.04 | 0.0 | 37.44 |
| 1.339 | 29.17 | 6.1 | 0.0 | 4.82 | 333.63 | 0.0 | 37.44 |
| 1.346 | 29.17 | 6.1 | 0.0 | 4.77 | 472.66 | 0.0 | 37.44 |
| 1.376 | 29.17 | 6.1 | 0.0 | 4.74 | 566.85 | 0.0 | 37.44 |
| 1.385 | 29.17 | 6.1 | 0.0 | 4.74 | 633.56 | 0.0 | 37.44 |
| 1.406 | 29.17 | 6.1 | 0.0 | 4.77 | 293.42 | 0.0 | 37.44 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.458 | 29.17 | 6.1 | 0.0 | 4.81 | 309.71 | 0.0 | 37.44 |
| 1.475 | 29.17 | 6.1 | 0.0 | 4.71 | 414.94 | 0.0 | 37.44 |
| 1.507 | 29.17 | 6.1 | 0.0 | 4.68 | 343.04 | 0.0 | 37.44 |
| 1.576 | 29.17 | 6.1 | 0.0 | 4.68 | 407.6 | 0.0 | 37.44 |
| 1.577 | 29.17 | 6.1 | 0.08 | 4.7 | 383.32 | 0.0 | 37.44 |
| 1.585 | 29.17 | 6.1 | 0.0 | 4.67 | 337.91 | 0.0 | 37.44 |
| 1.603 | 29.17 | 6.1 | 0.0 | 4.83 | 416.67 | 0.0 | 37.44 |
| 1.655 | 29.17 | 6.1 | 0.0 | 4.83 | 294.79 | 0.0 | 37.44 |
| 1.745 | 29.17 | 6.1 | 0.08 | 4.82 | 413.59 | 0.0 | 37.44 |
| 1.765 | 29.17 | 6.1 | 0.0 | 4.85 | 420.45 | 0.0 | 37.44 |
| 1.767 | 29.17 | 6.1 | 0.0 | 4.84 | 520.51 | 0.0 | 37.44 |
| 1.785 | 29.17 | 6.1 | 0.0 | 4.81 | 320.66 | 0.0 | 37.44 |
| 1.804 | 29.17 | 6.1 | 0.0 | 4.8 | 259.63 | 0.0 | 37.44 |
| 1.825 | 29.17 | 6.1 | 0.0 | 4.78 | 519.9 | 0.0 | 37.44 |
| 1.853 | 29.17 | 6.1 | 0.0 | 4.77 | 378.2 | 0.0 | 37.44 |
| 1.854 | 29.17 | 6.1 | 0.0 | 4.65 | 953.34 | 0.0 | 37.44 |
| 1.896 | 29.17 | 6.1 | 0.08 | 4.67 | 257.89 | 0.0 | 37.44 |
| 1.912 | 29.17 | 6.1 | 0.0 | 4.85 | 450.52 | 0.0 | 37.44 |
| 1.946 | 29.17 | 6.1 | 0.0 | 4.84 | 367.4 | 0.0 | 37.44 |
| 2.003 | 29.17 | 6.1 | 0.0 | 4.85 | 271.13 | 0.0 | 37.44 |
| 2.011 | 29.17 | 6.1 | 0.0 | 4.86 | 456.41 | 0.0 | 37.44 |
| 2.035 | 29.17 | 6.1 | 0.0 | 4.89 | 432.01 | 0.0 | 37.44 |
| 2.048 | 29.17 | 6.1 | 0.0 | 4.92 | 331.24 | 0.0 | 37.44 |
| 2.052 | 29.17 | 6.1 | 0.0 | 4.89 | 229.46 | 0.0 | 37.44 |
| 2.054 | 29.17 | 6.1 | 0.0 | 4.89 | 431.31 | 0.0 | 37.44 |
| 2.086 | 29.17 | 6.1 | 0.11 | 4.89 | 322.68 | 0.0 | 37.44 |
| 2.098 | 29.17 | 6.1 | 0.0 | 4.91 | 440.0 | 0.02 | 37.44 |
| 2.113 | 29.17 | 6.1 | 0.0 | 4.94 | 435.63 | 0.0 | 37.44 |
| 2.135 | 29.17 | 6.1 | 0.0 | 4.99 | 343.67 | 0.01 | 37.44 |
| 2.175 | 29.17 | 6.1 | 0.0 | 5.01 | 291.19 | 0.0 | 37.44 |
| 2.191 | 29.17 | 6.1 | 0.0 | 4.95 | 279.81 | 0.0 | 37.44 |
| 2.24 | 29.17 | 6.1 | 0.08 | 4.93 | 446.26 | 0.0 | 37.44 |
| 2.277 | 29.17 | 6.1 | 0.0 | 4.92 | 369.45 | 0.0 | 37.44 |
| 2.289 | 29.17 | 6.1 | 0.0 | 4.94 | 241.12 | 0.0 | 37.44 |
| 2.295 | 29.17 | 6.1 | 0.0 | 4.93 | 414.26 | 0.0 | 37.44 |
| 2.333 | 29.17 | 6.1 | 0.0 | 4.91 | 543.94 | 0.0 | 37.44 |
| 2.391 | 29.17 | 6.1 | 0.0 | 4.97 | 352.38 | 0.0 | 37.44 |
| 2.415 | 29.17 | 6.1 | 0.0 | 4.93 | 574.26 | 0.0 | 37.44 |
| 2.443 | 29.17 | 6.1 | 0.0 | 4.8 | 397.98 | 0.0 | 37.44 |
| 2.448 | 29.17 | 6.1 | 0.04 | 4.8 | 456.3 | 0.0 | 37.44 |
| 2.483 | 29.17 | 6.1 | 0.0 | 4.78 | 360.98 | 0.0 | 37.44 |
| 2.484 | 29.17 | 6.1 | 0.0 | 4.64 | 505.76 | 0.0 | 37.44 |
| 2.491 | 29.17 | 6.1 | 0.0 | 4.62 | 388.77 | 0.0 | 37.44 |
| 2.524 | 29.17 | 6.1 | 0.0 | 4.6 | 310.64 | 0.0 | 37.44 |
| 2.561 | 29.17 | 6.1 | 0.0 | 4.6 | 402.53 | 0.0 | 37.44 |
| 2.582 | 29.17 | 6.1 | 0.04 | 4.61 | 737.42 | 0.0 | 37.44 |
| 2.583 | 29.17 | 6.1 | 0.0 | 4.63 | 188.77 | 0.0 | 37.44 |
| 2.585 | 29.17 | 6.1 | 0.0 | 4.77 | 365.78 | 0.0 | 37.44 |
| 2.622 | 29.17 | 6.1 | 0.0 | 4.76 | 335.64 | 0.0 | 37.44 |
| 2.668 | 29.17 | 6.1 | 0.0 | 4.75 | 381.28 | 0.0 | 37.44 |
| 2.688 | 29.17 | 6.1 | 0.0 | 4.75 | 291.12 | 0.0 | 37.44 |
| 2.695 | 29.17 | 6.1 | 0.0 | 4.86 | 598.17 | 0.0 | 37.44 |
| 2.7 | 29.17 | 6.1 | 0.0 | 4.86 | 280.46 | 0.03 | 37.44 |
| 2.712 | 29.17 | 6.1 | 0.0 | 4.86 | 456.62 | 0.0 | 37.44 |
| 2.719 | 29.17 | 6.1 | 0.0 | 4.84 | 424.17 | 0.0 | 37.44 |
| 2.723 | 29.17 | 6.1 | 0.0 | 4.81 | 554.89 | 0.03 | 37.44 |
| 2.733 | 29.17 | 6.1 | 0.0 | 4.76 | 280.33 | 0.0 | 37.44 |
| 2.755 | 29.17 | 6.1 | 0.04 | 4.7 | 567.77 | 0.0 | 37.44 |

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|---|---|---|---|---|---|---|---|
| 2.756 | 29.17 | 6.1 | 0.0 | 4.54 | 469.06 | 0.0 | 37.44 |
| 2.78 | 29.17 | 6.1 | 0.0 | 4.55 | 513.91 | 0.0 | 37.44 |
| 2.834 | 29.17 | 6.1 | 0.11 | 4.57 | 261.26 | 0.0 | 37.44 |
| 2.874 | 29.17 | 6.1 | 0.0 | 4.93 | 574.26 | 0.0 | 37.44 |
| 2.879 | 29.17 | 6.1 | 0.0 | 4.92 | 450.52 | 0.0 | 37.44 |
| 2.929 | 29.17 | 6.1 | 0.0 | 4.91 | 320.81 | 0.0 | 37.44 |
| 2.994 | 29.17 | 6.1 | 0.0 | 4.9 | 286.1 | 0.0 | 37.44 |
| 3.002 | 29.17 | 6.1 | 0.0 | 4.79 | 427.43 | 0.0 | 37.44 |
| 3.026 | 29.17 | 6.1 | 0.0 | 4.73 | 494.52 | 0.0 | 37.44 |
| 3.079 | 29.17 | 6.1 | 0.0 | 4.66 | 444.61 | 0.01 | 37.44 |
| 3.116 | 29.17 | 6.1 | 0.04 | 4.62 | 404.4 | 0.0 | 37.44 |
| 3.17 | 29.17 | 6.1 | 0.0 | 4.68 | 243.54 | 0.0 | 37.44 |
| 3.244 | 29.17 | 6.1 | 0.0 | 4.86 | 317.48 | 0.0 | 37.44 |
| 3.251 | 29.17 | 6.1 | 0.0 | 4.91 | 445.43 | 0.0 | 37.44 |
| 3.271 | 29.17 | 6.1 | 0.0 | 4.89 | 253.38 | 0.0 | 37.44 |
| 3.301 | 29.17 | 6.1 | 0.08 | 4.51 | 464.63 | 0.0 | 37.44 |
| 3.31 | 29.17 | 6.1 | 0.0 | 4.5 | 278.84 | 0.0 | 37.44 |
| 3.375 | 29.17 | 6.1 | 0.0 | 4.53 | 606.12 | 0.01 | 37.44 |
| 3.413 | 29.18 | 6.1 | 0.0 | 4.99 | 661.77 | 0.0 | 37.44 |
| 3.43 | 29.18 | 6.1 | 0.0 | 4.97 | 280.52 | 0.0 | 37.44 |
| 3.504 | 29.18 | 6.1 | 0.0 | 4.94 | 247.12 | 0.0 | 37.44 |
| 3.557 | 29.18 | 6.1 | 0.0 | 4.9 | 428.82 | 0.02 | 37.44 |
| 3.574 | 29.18 | 6.1 | 0.0 | 4.92 | 393.21 | 0.0 | 37.44 |
| 3.587 | 29.18 | 6.1 | 0.0 | 5.09 | 352.47 | 0.0 | 37.44 |
| 3.612 | 29.18 | 6.1 | 0.0 | 5.11 | 559.8 | 0.0 | 37.44 |
| 3.621 | 29.18 | 6.1 | 0.0 | 5.13 | 347.68 | 0.0 | 37.44 |
| 3.632 | 29.18 | 6.1 | 0.08 | 5.14 | 357.15 | 0.0 | 37.44 |
| 3.679 | 29.18 | 6.1 | 0.0 | 5.15 | 309.49 | 0.0 | 37.44 |
| 3.71 | 29.18 | 6.1 | 0.0 | 5.22 | 456.83 | 0.0 | 37.45 |
| 3.746 | 29.18 | 6.1 | 0.0 | 5.22 | 324.85 | 0.0 | 37.45 |
| 3.804 | 29.18 | 6.1 | 0.0 | 5.23 | 240.45 | 0.0 | 37.45 |
| 3.813 | 29.18 | 6.1 | 0.04 | 5.24 | 434.72 | 0.0 | 37.44 |
| 3.846 | 29.18 | 6.1 | 0.0 | 5.24 | 293.36 | 0.0 | 37.44 |
| 3.895 | 29.18 | 6.1 | 0.0 | 5.24 | 314.12 | 0.0 | 37.44 |
| 3.905 | 29.18 | 6.1 | 0.0 | 5.27 | 367.31 | 0.0 | 37.45 |
| 3.906 | 29.18 | 6.1 | 0.0 | 5.26 | 237.9 | 0.0 | 37.45 |
| 3.908 | 29.18 | 6.1 | 0.04 | 5.27 | 255.45 | 0.0 | 37.44 |
| 3.962 | 29.18 | 6.1 | 0.0 | 5.27 | 294.04 | 0.0 | 37.44 |
| 3.997 | 29.18 | 6.1 | 0.0 | 5.26 | 278.9 | 0.0 | 37.45 |
| 4.027 | 29.18 | 6.1 | 0.0 | 5.27 | 238.73 | 0.0 | 37.45 |
| 4.085 | 29.18 | 6.1 | 0.0 | 5.27 | 420.65 | 0.0 | 37.44 |
| 4.13 | 29.18 | 6.1 | 0.0 | 5.3 | 405.43 | 0.0 | 37.45 |
| 4.133 | 29.18 | 6.1 | 0.0 | 5.3 | 289.91 | 0.0 | 37.44 |
| 4.17 | 29.17 | 6.1 | 0.0 | 5.3 | 444.3 | 0.0 | 37.44 |
| 4.216 | 29.17 | 6.1 | 0.0 | 5.31 | 367.48 | 0.0 | 37.44 |
| 4.294 | 29.17 | 6.1 | 0.0 | 5.31 | 256.52 | 0.0 | 37.45 |
| 4.321 | 29.18 | 6.1 | 0.0 | 5.32 | 346.47 | 0.0 | 37.44 |
| 4.327 | 29.18 | 6.1 | 0.0 | 5.33 | 381.45 | 0.0 | 37.44 |
| 4.339 | 29.18 | 6.1 | 0.04 | 5.32 | 242.13 | 0.01 | 37.44 |
| 4.346 | 29.17 | 6.1 | 0.0 | 5.32 | 271.82 | 0.0 | 37.44 |
| 4.349 | 29.17 | 6.1 | 0.0 | 5.32 | 285.77 | 0.0 | 37.44 |
| 4.358 | 29.17 | 6.1 | 0.0 | 5.32 | 387.15 | 0.0 | 37.44 |
| 4.38 | 29.17 | 6.1 | 0.0 | 5.33 | 388.5 | 0.0 | 37.44 |
| 4.405 | 29.17 | 6.1 | 0.0 | 5.33 | 318.88 | 0.0 | 37.45 |
| 4.417 | 29.17 | 6.1 | 0.0 | 5.33 | 282.02 | 0.0 | 37.44 |
| 4.422 | 29.18 | 6.1 | 0.0 | 5.33 | 295.34 | 0.0 | 37.44 |
| 4.425 | 29.18 | 6.1 | 0.0 | 5.33 | 223.37 | 0.0 | 37.44 |
| 4.441 | 29.18 | 6.1 | 0.0 | 5.33 | 212.56 | 0.0 | 37.44 |

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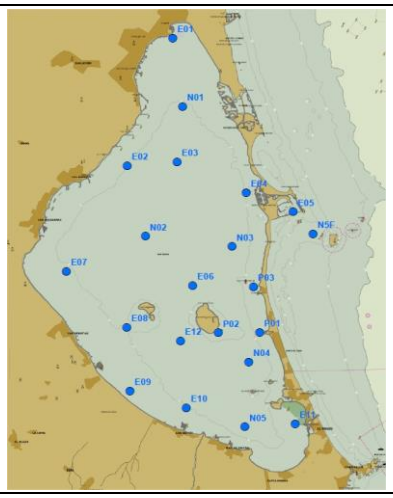
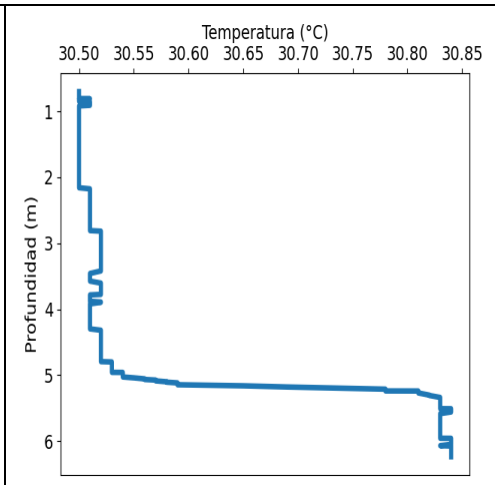
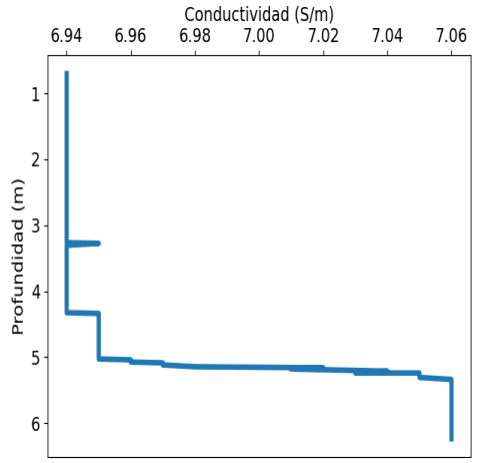
|---|---|---|---|---|---|---|---|
| 4.48 | 29.18 | 6.1 | 0.0 | 5.33 | 284.45 | 0.0 | 37.44 |
| 4.487 | 29.15 | 6.1 | 0.04 | 5.33 | 290.31 | 0.0 | 37.46 |
| 4.502 | 29.16 | 6.1 | 0.08 | 5.33 | 334.48 | 0.0 | 37.45 |
| 4.504 | 29.11 | 6.09 | 0.11 | 5.38 | 245.58 | 0.0 | 37.44 |
| 4.539 | 29.11 | 6.09 | 0.0 | 5.38 | 284.72 | 0.0 | 37.44 |
| 4.574 | 29.11 | 6.09 | 0.0 | 5.37 | 348.81 | 0.0 | 37.44 |
| 4.6 | 29.11 | 6.09 | 0.0 | 5.37 | 292.2 | 0.0 | 37.44 |
| 4.667 | 29.12 | 6.1 | 0.11 | 5.38 | 243.14 | 0.0 | 37.44 |
| 4.681 | 29.11 | 6.09 | 0.0 | 5.38 | 322.38 | 0.0 | 37.44 |
| 4.687 | 29.11 | 6.09 | 0.0 | 5.38 | 298.64 | 0.0 | 37.44 |
| 4.734 | 29.11 | 6.09 | 0.0 | 5.39 | 210.99 | 0.0 | 37.44 |
| 4.755 | 29.11 | 6.09 | 0.0 | 5.38 | 395.22 | 0.0 | 37.44 |
| 4.784 | 29.11 | 6.09 | 0.04 | 5.39 | 403.18 | 0.0 | 37.44 |
| 4.805 | 29.12 | 6.1 | 0.04 | 5.37 | 313.46 | 0.0 | 37.44 |
| 4.844 | 29.12 | 6.1 | 0.04 | 5.38 | 292.61 | 0.0 | 37.44 |
| 4.847 | 29.11 | 6.09 | 0.0 | 5.4 | 294.99 | 0.01 | 37.44 |
| 4.85 | 29.12 | 6.09 | 0.0 | 5.39 | 324.78 | 0.0 | 37.44 |
| 4.921 | 29.12 | 6.09 | 0.0 | 5.39 | 303.31 | 0.0 | 37.44 |
| 4.994 | 29.11 | 6.09 | 0.08 | 5.39 | 271.38 | 0.0 | 37.44 |
| 5.022 | 29.11 | 6.09 | 0.0 | 5.4 | 352.63 | 0.0 | 37.44 |
| 5.093 | 29.11 | 6.09 | 0.08 | 5.4 | 257.71 | 0.0 | 37.44 |
| 5.11 | 29.11 | 6.09 | 0.0 | 5.39 | 278.19 | 0.0 | 37.44 |
| 5.14 | 29.11 | 6.09 | 0.0 | 5.39 | 243.99 | 0.0 | 37.44 |
| 5.146 | 29.08 | 6.09 | 0.0 | 5.42 | 319.7 | 0.0 | 37.45 |
| 5.191 | 29.09 | 6.09 | 0.0 | 5.42 | 297.95 | 0.0 | 37.44 |
| 5.274 | 29.1 | 6.09 | 0.0 | 5.41 | 296.36 | 0.0 | 37.43 |
| 5.291 | 29.06 | 6.09 | 0.0 | 5.42 | 211.77 | 0.0 | 37.44 |
| 5.31 | 29.07 | 6.09 | 0.0 | 5.42 | 290.65 | 0.0 | 37.44 |
| 5.314 | 29.08 | 6.09 | 0.0 | 5.41 | 257.59 | 0.0 | 37.44 |
| 5.35 | 29.07 | 6.09 | 0.0 | 5.41 | 230.74 | 0.0 | 37.44 |
| 5.391 | 29.07 | 6.09 | 0.04 | 5.42 | 213.15 | 0.0 | 37.44 |
| 5.429 | 29.07 | 6.09 | 0.0 | 5.42 | 257.77 | 0.0 | 37.43 |
| 5.43 | 29.07 | 6.09 | 0.08 | 5.42 | 247.87 | 0.0 | 37.43 |
| 5.448 | 29.08 | 6.09 | 0.0 | 5.42 | 300.37 | 0.0 | 37.43 |
| 5.477 | 29.08 | 6.09 | 0.0 | 5.41 | 289.17 | 0.0 | 37.44 |
| 5.499 | 29.08 | 6.09 | 0.08 | 5.41 | 256.4 | 0.0 | 37.44 |
| 5.573 | 29.08 | 6.09 | 0.0 | 5.42 | 246.32 | 0.0 | 37.43 |
| 5.586 | 29.08 | 6.09 | 0.0 | 5.42 | 254.5 | 0.0 | 37.44 |
| 5.604 | 29.08 | 6.09 | 0.11 | 5.42 | 300.1 | 0.0 | 37.44 |
| 5.664 | 29.08 | 6.09 | 0.0 | 5.42 | 310.57 | 0.0 | 37.43 |
| 5.717 | 29.08 | 6.09 | 0.0 | 5.43 | 262.9 | 0.0 | 37.43 |
| 5.718 | 29.08 | 6.09 | 0.0 | 5.43 | 259.57 | 0.0 | 37.44 |
| 5.756 | 29.08 | 6.09 | 0.0 | 5.43 | 249.36 | 0.0 | 37.43 |
| 5.783 | 29.07 | 6.09 | 0.08 | 5.43 | 255.33 | 0.0 | 37.43 |
| 5.793 | 29.07 | 6.09 | 0.0 | 5.43 | 260.65 | 0.0 | 37.43 |
| 5.808 | 29.07 | 6.09 | 0.0 | 5.43 | 247.29 | 0.0 | 37.43 |
| 5.816 | 29.07 | 6.09 | 0.04 | 5.45 | 250.06 | 0.0 | 37.43 |
| 5.832 | 29.07 | 6.09 | 0.0 | 5.45 | 214.49 | 0.0 | 37.43 |
| 5.874 | 29.04 | 6.09 | 0.04 | 5.44 | 264.79 | 0.0 | 37.44 |
| 5.894 | 29.04 | 6.09 | 0.0 | 5.44 | 351.57 | 0.0 | 37.43 |
| 5.921 | 29.03 | 6.08 | 0.0 | 5.44 | 214.79 | 0.0 | 37.44 |
| 5.961 | 29.04 | 6.08 | 0.0 | 5.45 | 257.23 | 0.0 | 37.43 |
| 6.011 | 29.03 | 6.08 | 0.04 | 5.47 | 232.45 | 0.0 | 37.44 |
| 6.044 | 29.0 | 6.08 | 0.0 | 5.45 | 261.2 | 0.0 | 37.44 |
| 6.06 | 29.01 | 6.08 | 0.0 | 5.46 | 290.99 | 0.0 | 37.44 |
| 6.09 | 29.01 | 6.08 | 0.0 | 5.48 | 270.12 | 0.0 | 37.44 |
| 6.124 | 29.01 | 6.08 | 0.0 | 5.47 | 291.32 | 0.0 | 37.44 |
| 6.175 | 28.99 | 6.08 | 0.0 | 5.47 | 233.59 | 0.0 | 37.44 |

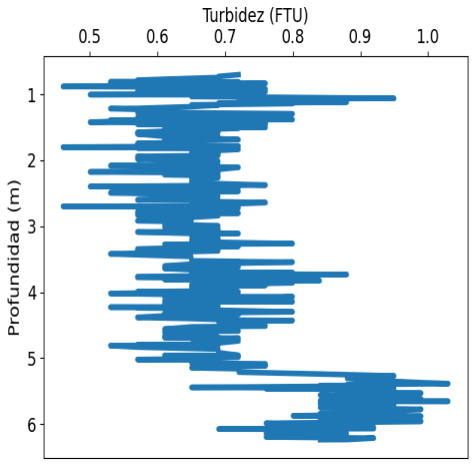
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6.206 | 29.0 | 6.08 | 0.0 | 5.47 | 253.74 | 0.02 | 37.44 |
| 6.221 | 28.98 | 6.08 | 0.0 | 5.49 | 253.8 | 0.0 | 37.44 |
| 6.264 | 28.98 | 6.08 | 0.0 | 5.49 | 234.18 | 0.01 | 37.43 |
| 6.318 | 28.91 | 6.07 | 0.0 | 5.53 | 300.93 | 0.0 | 37.45 |
| 6.33 | 28.92 | 6.07 | 0.04 | 5.54 | 253.56 | 0.01 | 37.44 |
| 6.39 | 28.93 | 6.07 | 0.0 | 5.54 | 217.19 | 0.0 | 37.41 |
| 6.397 | 28.89 | 6.07 | 0.0 | 5.55 | 270.44 | 0.03 | 37.44 |
| 6.438 | 28.9 | 6.07 | 0.0 | 5.55 | 248.96 | 0.02 | 37.44 |
| 6.492 | 28.84 | 6.07 | 0.04 | 5.59 | 252.1 | 0.0 | 37.45 |
| 6.509 | 28.85 | 6.06 | 0.0 | 5.59 | 253.38 | 0.0 | 37.44 |
| 6.546 | 28.86 | 6.06 | 0.0 | 5.6 | 239.9 | 0.0 | 37.43 |
| 6.564 | 28.83 | 6.06 | 0.0 | 5.6 | 278.64 | 0.0 | 37.43 |
| 6.581 | 28.82 | 6.06 | 0.0 | 5.6 | 255.45 | 0.02 | 37.43 |
| 6.611 | 28.82 | 6.06 | 0.0 | 5.6 | 231.38 | 0.0 | 37.43 |
| 6.625 | 28.8 | 6.06 | 0.0 | 5.6 | 247.92 | 0.01 | 37.43 |
| 6.629 | 28.8 | 6.06 | 0.0 | 5.6 | 241.18 | 0.0 | 37.44 |
| 6.633 | 28.86 | 6.06 | 0.0 | 5.61 | 245.92 | 0.02 | 37.43 |
| 6.695 | 28.85 | 6.06 | 0.0 | 5.6 | 221.0 | 0.01 | 37.43 |
| 6.776 | 28.87 | 6.07 | 0.0 | 5.62 | 270.0 | 0.0 | 37.45 |
| 6.783 | 28.86 | 6.07 | 0.0 | 5.61 | 290.11 | 0.0 | 37.47 |
| 6.815 | 28.85 | 6.07 | 0.0 | 5.61 | 248.33 | 0.0 | 37.49 |
| 6.835 | 28.84 | 6.08 | 0.0 | 5.61 | 219.98 | 0.0 | 37.52 |
| 6.838 | 28.85 | 6.08 | 0.0 | 5.6 | 219.77 | 0.02 | 37.53 |
| 6.854 | 28.86 | 6.08 | 0.0 | 5.6 | 232.67 | 0.02 | 37.51 |
| 6.865 | 28.94 | 6.09 | 0.0 | 5.58 | 236.15 | 0.02 | 37.52 |
| 6.904 | 28.92 | 6.09 | 0.0 | 5.57 | 262.84 | 0.01 | 37.52 |
| 7.007 | 28.92 | 6.09 | 0.0 | 5.58 | 241.63 | 0.0 | 37.56 |
| 7.048 | 29.02 | 6.1 | 0.0 | 5.6 | 262.17 | 0.0 | 37.55 |
| 7.077 | 29.0 | 6.1 | 0.0 | 5.59 | 235.27 | 0.02 | 37.58 |
| 7.16 | 28.99 | 6.11 | 0.04 | 5.58 | 219.47 | 0.02 | 37.68 |
| 7.241 | 29.02 | 6.13 | 0.08 | 5.58 | 211.33 | 0.02 | 37.74 |
| 7.279 | 29.06 | 6.13 | 0.0 | 5.58 | 236.42 | 0.02 | 37.74 |
| 7.285 | 29.1 | 6.13 | 0.04 | 5.58 | 254.86 | 0.0 | 37.72 |
| 7.287 | 29.12 | 6.13 | 0.0 | 5.58 | 267.07 | 0.03 | 37.69 |
| 7.289 | 29.13 | 6.13 | 0.0 | 5.58 | 249.36 | 0.02 | 37.7 |
| 7.316 | 29.13 | 6.13 | 0.0 | 5.58 | 246.15 | 0.04 | 37.68 |
| 7.379 | 29.13 | 6.13 | 0.08 | 5.59 | 211.97 | 0.0 | 37.7 |
| 7.398 | 29.32 | 6.15 | 0.0 | 5.57 | 249.08 | 0.04 | 37.63 |
| 7.439 | 29.26 | 6.15 | 0.08 | 5.54 | 227.18 | 0.02 | 37.73 |
| 7.527 | 29.25 | 6.24 | 0.04 | 5.5 | 219.72 | 0.05 | 38.33 |
| 7.604 | 29.38 | 6.35 | 0.0 | 5.48 | 200.41 | 0.01 | 38.97 |
| 7.628 | 29.83 | 6.3 | 0.0 | 5.41 | 237.63 | 0.05 | 38.29 |
| 7.675 | 29.79 | 6.34 | 0.0 | 5.34 | 217.24 | 0.05 | 38.62 |
| 7.777 | 29.81 | 6.37 | 0.27 | 5.3 | 202.79 | 0.05 | 38.81 |
| 7.843 | 30.07 | 6.37 | 0.15 | 5.88 | 188.64 | 0.04 | 38.61 |
| 7.884 | 30.18 | 6.42 | 0.38 | 5.75 | 199.34 | 0.08 | 38.87 |
| 7.903 | 30.14 | 6.43 | 0.19 | 5.73 | 216.99 | 0.08 | 38.92 |
| 7.909 | 30.24 | 6.45 | 0.19 | 5.39 | 239.45 | 0.09 | 38.99 |
| 7.973 | 30.21 | 6.45 | 0.34 | 5.38 | 237.35 | 0.12 | 39.05 |
| 8.115 | 30.2 | 6.49 | 0.42 | 5.37 | 214.14 | 0.1 | 39.27 |
| 8.239 | 30.24 | 6.53 | 0.38 | 5.39 | 200.83 | 0.09 | 39.55 |
| 8.265 | 30.31 | 6.53 | 0.38 | 5.49 | 207.64 | 0.09 | 39.51 |

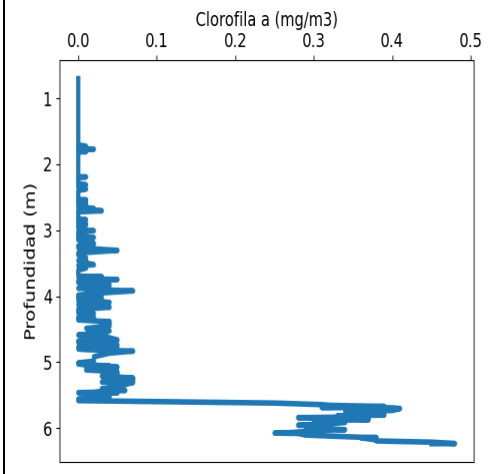
**Nombre: CTD N03 - Punto 009** **Fecha: 08/08/2022** **Hora: 08:08:00**

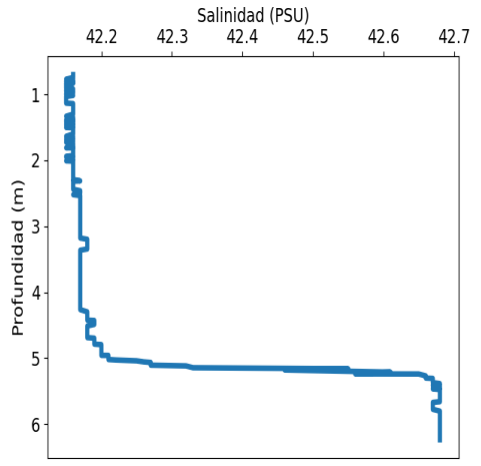


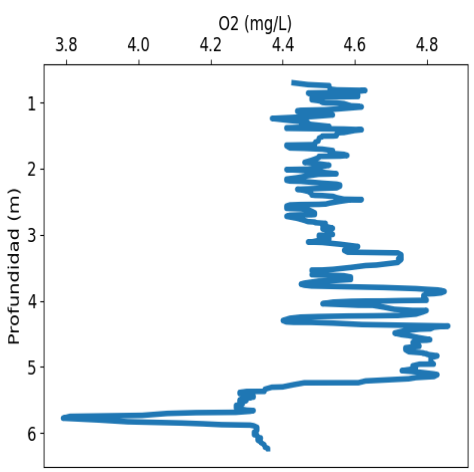



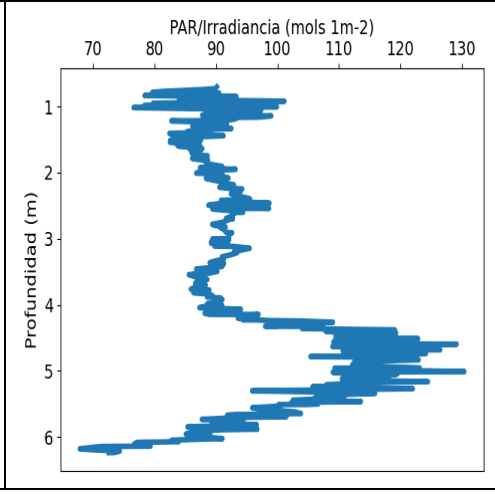



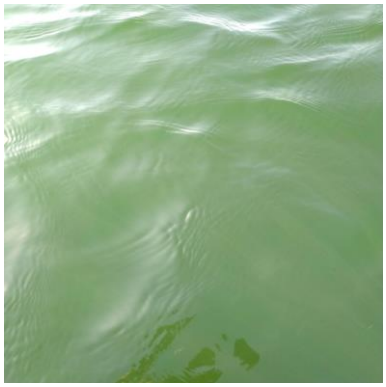



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.5 | 6.94 | 0.46 | 3.79 | 67.88 | 0.0 | 42.15 |
| **PROF (metros)** | 0.7 | 0.7 | 0.88 | 5.778 | 6.182 | 0.7 | 0.769 |
| **MÁXIMO** | 30.84 | 30.84 | 1.03 | 4.86 | 130.37 | 0.48 | 42.68 |
| **PROF (metros)** | 5.511 | 5.34 | 5.388 | 4.382 | 5.012 | 6.237 | 5.388 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N03 - Punto 009 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.5 | 6.94 | 0.64 | 4.54 | 86.89 | 0.0 | 42.15 |
| 1 - 2m | 30.5 | 6.94 | 0.67 | 4.51 | 88.7 | 0.0 | 42.16 |
| 2 - 3m | 30.51 | 6.94 | 0.63 | 4.49 | 92.12 | 0.0 | 42.17 |
| 3 - 4m | 30.52 | 6.94 | 0.67 | 4.62 | 89.44 | 0.01 | 42.17 |
| 4 - 5m | 30.52 | 6.95 | 0.66 | 4.7 | 107.1 | 0.02 | 42.18 |
| 5 - 6m | 30.78 | 7.04 | 0.85 | 4.37 | 103.27 | 0.15 | 42.59 |
| 6 - 7m | 30.84 | 7.06 | 0.84 | 4.34 | 77.43 | 0.35 | 42.68 |

| 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) |
| 0.7 | 30.5 | 6.94 | 0.72 | 4.43 | 90.17 | 0.0 | 42.16 |
| 0.727 | 30.5 | 6.94 | 0.69 | 4.47 | 89.96 | 0.0 | 42.16 |
| 0.743 | 30.5 | 6.94 | 0.69 | 4.53 | 87.57 | 0.0 | 42.16 |
| 0.769 | 30.5 | 6.94 | 0.61 | 4.53 | 81.44 | 0.0 | 42.15 |
| 0.784 | 30.5 | 6.94 | 0.57 | 4.53 | 79.67 | 0.0 | 42.16 |
| 0.794 | 30.5 | 6.94 | 0.57 | 4.53 | 90.56 | 0.0 | 42.15 |
| 0.807 | 30.5 | 6.94 | 0.69 | 4.55 | 89.73 | 0.0 | 42.15 |
| 0.808 | 30.51 | 6.94 | 0.53 | 4.56 | 83.01 | 0.0 | 42.15 |
| 0.809 | 30.5 | 6.94 | 0.72 | 4.56 | 84.91 | 0.0 | 42.15 |
| 0.815 | 30.5 | 6.94 | 0.69 | 4.63 | 79.43 | 0.0 | 42.16 |
| 0.829 | 30.5 | 6.94 | 0.53 | 4.61 | 80.94 | 0.0 | 42.15 |
| 0.832 | 30.5 | 6.94 | 0.65 | 4.55 | 83.12 | 0.0 | 42.16 |
| 0.833 | 30.5 | 6.94 | 0.76 | 4.55 | 78.39 | 0.0 | 42.15 |
| 0.847 | 30.5 | 6.94 | 0.61 | 4.55 | 93.36 | 0.0 | 42.15 |
| 0.855 | 30.51 | 6.94 | 0.61 | 4.47 | 88.37 | 0.0 | 42.15 |
| 0.856 | 30.51 | 6.94 | 0.65 | 4.56 | 91.56 | 0.0 | 42.15 |
| 0.868 | 30.51 | 6.94 | 0.65 | 4.58 | 92.09 | 0.0 | 42.15 |
| 0.88 | 30.51 | 6.94 | 0.46 | 4.6 | 83.99 | 0.0 | 42.15 |
| 0.889 | 30.51 | 6.94 | 0.65 | 4.61 | 88.06 | 0.0 | 42.15 |
| 0.907 | 30.51 | 6.94 | 0.69 | 4.61 | 92.24 | 0.0 | 42.15 |
| 0.917 | 30.5 | 6.94 | 0.76 | 4.48 | 101.15 | 0.0 | 42.16 |
| 0.932 | 30.5 | 6.94 | 0.65 | 4.48 | 89.6 | 0.0 | 42.15 |
| 0.95 | 30.5 | 6.94 | 0.57 | 4.48 | 79.76 | 0.0 | 42.15 |
| 0.956 | 30.5 | 6.94 | 0.76 | 4.48 | 96.34 | 0.0 | 42.16 |
| 0.971 | 30.5 | 6.94 | 0.61 | 4.5 | 83.06 | 0.0 | 42.16 |
| 0.987 | 30.5 | 6.94 | 0.65 | 4.51 | 78.28 | 0.0 | 42.15 |
| 0.997 | 30.5 | 6.94 | 0.65 | 4.51 | 89.31 | 0.0 | 42.15 |
| 1.003 | 30.5 | 6.94 | 0.5 | 4.52 | 99.94 | 0.0 | 42.15 |
| 1.005 | 30.5 | 6.94 | 0.69 | 4.55 | 87.92 | 0.0 | 42.15 |
| 1.015 | 30.5 | 6.94 | 0.72 | 4.57 | 76.61 | 0.0 | 42.16 |
| 1.032 | 30.5 | 6.94 | 0.65 | 4.58 | 87.53 | 0.0 | 42.15 |
| 1.048 | 30.5 | 6.94 | 0.84 | 4.59 | 95.46 | 0.0 | 42.15 |
| 1.053 | 30.5 | 6.94 | 0.88 | 4.61 | 97.38 | 0.0 | 42.15 |
| 1.06 | 30.5 | 6.94 | 0.95 | 4.61 | 90.38 | 0.0 | 42.15 |
| 1.064 | 30.5 | 6.94 | 0.8 | 4.62 | 91.77 | 0.0 | 42.15 |

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| 1.07 | 30.5 | 6.94 | 0.88 | 4.61 | 88.32 | 0.0 | 42.15 |
| 1.079 | 30.5 | 6.94 | 0.76 | 4.59 | 89.56 | 0.0 | 42.15 |
| 1.092 | 30.5 | 6.94 | 0.72 | 4.56 | 95.35 | 0.0 | 42.15 |
| 1.108 | 30.5 | 6.94 | 0.8 | 4.52 | 95.35 | 0.0 | 42.15 |
| 1.116 | 30.5 | 6.94 | 0.88 | 4.45 | 94.55 | 0.0 | 42.15 |
| 1.124 | 30.5 | 6.94 | 0.8 | 4.44 | 92.07 | 0.0 | 42.15 |
| 1.131 | 30.5 | 6.94 | 0.69 | 4.44 | 87.75 | 0.0 | 42.15 |
| 1.132 | 30.5 | 6.94 | 0.8 | 4.44 | 93.72 | 0.0 | 42.15 |
| 1.139 | 30.5 | 6.94 | 0.8 | 4.45 | 99.02 | 0.0 | 42.16 |
| 1.159 | 30.5 | 6.94 | 0.65 | 4.46 | 97.04 | 0.0 | 42.16 |
| 1.163 | 30.5 | 6.94 | 0.69 | 4.52 | 93.64 | 0.0 | 42.16 |
| 1.186 | 30.5 | 6.94 | 0.65 | 4.54 | 93.14 | 0.0 | 42.16 |
| 1.211 | 30.5 | 6.94 | 0.57 | 4.48 | 91.66 | 0.0 | 42.16 |
| 1.215 | 30.5 | 6.94 | 0.53 | 4.46 | 82.74 | 0.0 | 42.16 |
| 1.239 | 30.5 | 6.94 | 0.61 | 4.37 | 89.4 | 0.0 | 42.16 |
| 1.27 | 30.5 | 6.94 | 0.57 | 4.42 | 91.81 | 0.0 | 42.16 |
| 1.295 | 30.5 | 6.94 | 0.8 | 4.47 | 87.79 | 0.0 | 42.16 |
| 1.299 | 30.5 | 6.94 | 0.61 | 4.45 | 86.14 | 0.0 | 42.16 |
| 1.331 | 30.5 | 6.94 | 0.65 | 4.48 | 92.56 | 0.0 | 42.15 |
| 1.348 | 30.5 | 6.94 | 0.57 | 4.51 | 88.06 | 0.0 | 42.16 |
| 1.36 | 30.5 | 6.94 | 0.69 | 4.53 | 89.0 | 0.0 | 42.16 |
| 1.381 | 30.5 | 6.94 | 0.8 | 4.41 | 85.31 | 0.0 | 42.16 |
| 1.389 | 30.5 | 6.94 | 0.53 | 4.41 | 86.92 | 0.0 | 42.15 |
| 1.397 | 30.5 | 6.94 | 0.69 | 4.53 | 86.78 | 0.0 | 42.16 |
| 1.4 | 30.5 | 6.94 | 0.61 | 4.57 | 83.88 | 0.0 | 42.16 |
| 1.405 | 30.5 | 6.94 | 0.65 | 4.6 | 82.43 | 0.0 | 42.15 |
| 1.41 | 30.5 | 6.94 | 0.53 | 4.62 | 84.28 | 0.0 | 42.15 |
| 1.421 | 30.5 | 6.94 | 0.5 | 4.6 | 87.86 | 0.0 | 42.16 |
| 1.441 | 30.5 | 6.94 | 0.76 | 4.58 | 91.28 | 0.0 | 42.16 |
| 1.452 | 30.5 | 6.94 | 0.57 | 4.57 | 88.37 | 0.0 | 42.15 |
| 1.454 | 30.5 | 6.94 | 0.76 | 4.56 | 85.68 | 0.0 | 42.15 |
| 1.465 | 30.5 | 6.94 | 0.61 | 4.55 | 82.95 | 0.0 | 42.16 |
| 1.487 | 30.5 | 6.94 | 0.65 | 4.55 | 84.52 | 0.0 | 42.16 |
| 1.501 | 30.5 | 6.94 | 0.76 | 4.55 | 86.74 | 0.0 | 42.15 |
| 1.505 | 30.5 | 6.94 | 0.65 | 4.54 | 87.61 | 0.0 | 42.16 |
| 1.506 | 30.5 | 6.94 | 0.61 | 4.51 | 87.39 | 0.0 | 42.16 |
| 1.513 | 30.5 | 6.94 | 0.72 | 4.51 | 82.53 | 0.0 | 42.16 |
| 1.54 | 30.5 | 6.94 | 0.65 | 4.5 | 82.53 | 0.0 | 42.16 |
| 1.575 | 30.5 | 6.94 | 0.57 | 4.5 | 87.41 | 0.0 | 42.16 |
| 1.579 | 30.5 | 6.94 | 0.69 | 4.5 | 83.68 | 0.0 | 42.16 |
| 1.599 | 30.5 | 6.94 | 0.57 | 4.49 | 83.9 | 0.0 | 42.16 |
| 1.636 | 30.5 | 6.94 | 0.61 | 4.49 | 87.82 | 0.0 | 42.15 |
| 1.643 | 30.5 | 6.94 | 0.69 | 4.41 | 85.76 | 0.0 | 42.16 |
| 1.654 | 30.5 | 6.94 | 0.65 | 4.41 | 87.61 | 0.0 | 42.16 |
| 1.686 | 30.5 | 6.94 | 0.72 | 4.42 | 87.02 | 0.0 | 42.15 |
| 1.692 | 30.5 | 6.94 | 0.61 | 4.46 | 86.0 | 0.0 | 42.16 |
| 1.704 | 30.5 | 6.94 | 0.61 | 4.51 | 86.92 | 0.0 | 42.16 |
| 1.726 | 30.5 | 6.94 | 0.65 | 4.54 | 86.22 | 0.01 | 42.15 |
| 1.744 | 30.5 | 6.94 | 0.57 | 4.54 | 88.69 | 0.0 | 42.16 |
| 1.758 | 30.5 | 6.94 | 0.61 | 4.53 | 88.45 | 0.0 | 42.16 |
| 1.77 | 30.5 | 6.94 | 0.65 | 4.54 | 87.35 | 0.02 | 42.16 |
| 1.783 | 30.5 | 6.94 | 0.72 | 4.57 | 86.12 | 0.0 | 42.16 |
| 1.799 | 30.5 | 6.94 | 0.46 | 4.58 | 87.0 | 0.0 | 42.16 |
| 1.809 | 30.5 | 6.94 | 0.69 | 4.56 | 88.0 | 0.01 | 42.15 |
| 1.812 | 30.5 | 6.94 | 0.57 | 4.52 | 88.74 | 0.0 | 42.16 |
| 1.814 | 30.5 | 6.94 | 0.65 | 4.5 | 88.22 | 0.0 | 42.16 |
| 1.833 | 30.5 | 6.94 | 0.72 | 4.5 | 88.26 | 0.0 | 42.16 |
| 1.873 | 30.5 | 6.94 | 0.65 | 4.48 | 89.09 | 0.0 | 42.16 |

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| 1.905 | 30.5 | 6.94 | 0.69 | 4.46 | 91.05 | 0.0 | 42.16 |
| 1.912 | 30.5 | 6.94 | 0.65 | 4.48 | 88.39 | 0.0 | 42.16 |
| 1.926 | 30.5 | 6.94 | 0.69 | 4.5 | 87.39 | 0.0 | 42.16 |
| 1.94 | 30.5 | 6.94 | 0.57 | 4.52 | 90.21 | 0.0 | 42.15 |
| 1.947 | 30.5 | 6.94 | 0.57 | 4.53 | 93.23 | 0.0 | 42.15 |
| 1.957 | 30.5 | 6.94 | 0.61 | 4.52 | 91.45 | 0.0 | 42.16 |
| 1.981 | 30.5 | 6.94 | 0.57 | 4.5 | 88.65 | 0.0 | 42.16 |
| 2.007 | 30.5 | 6.94 | 0.65 | 4.47 | 86.78 | 0.0 | 42.15 |
| 2.013 | 30.5 | 6.94 | 0.69 | 4.41 | 88.61 | 0.0 | 42.16 |
| 2.025 | 30.5 | 6.94 | 0.61 | 4.45 | 90.65 | 0.0 | 42.16 |
| 2.049 | 30.5 | 6.94 | 0.61 | 4.5 | 91.28 | 0.0 | 42.16 |
| 2.077 | 30.5 | 6.94 | 0.69 | 4.55 | 90.61 | 0.0 | 42.16 |
| 2.081 | 30.5 | 6.94 | 0.53 | 4.53 | 92.07 | 0.0 | 42.16 |
| 2.084 | 30.5 | 6.94 | 0.61 | 4.5 | 88.35 | 0.0 | 42.16 |
| 2.107 | 30.5 | 6.94 | 0.72 | 4.47 | 89.33 | 0.0 | 42.16 |
| 2.137 | 30.5 | 6.94 | 0.69 | 4.44 | 90.88 | 0.0 | 42.16 |
| 2.158 | 30.5 | 6.94 | 0.65 | 4.41 | 91.28 | 0.0 | 42.16 |
| 2.175 | 30.51 | 6.94 | 0.5 | 4.41 | 92.47 | 0.0 | 42.16 |
| 2.187 | 30.51 | 6.94 | 0.65 | 4.42 | 92.97 | 0.0 | 42.16 |
| 2.191 | 30.51 | 6.94 | 0.69 | 4.45 | 91.18 | 0.01 | 42.16 |
| 2.2 | 30.51 | 6.94 | 0.61 | 4.47 | 91.81 | 0.0 | 42.16 |
| 2.219 | 30.51 | 6.94 | 0.61 | 4.51 | 90.54 | 0.0 | 42.16 |
| 2.234 | 30.51 | 6.94 | 0.69 | 4.55 | 91.77 | 0.0 | 42.16 |
| 2.247 | 30.51 | 6.94 | 0.65 | 4.56 | 94.31 | 0.0 | 42.16 |
| 2.263 | 30.51 | 6.94 | 0.69 | 4.56 | 93.92 | 0.0 | 42.16 |
| 2.29 | 30.51 | 6.94 | 0.65 | 4.55 | 94.01 | 0.0 | 42.16 |
| 2.312 | 30.51 | 6.94 | 0.65 | 4.44 | 93.08 | 0.01 | 42.17 |
| 2.317 | 30.51 | 6.94 | 0.65 | 4.45 | 92.43 | 0.0 | 42.16 |
| 2.343 | 30.51 | 6.94 | 0.65 | 4.47 | 93.12 | 0.0 | 42.16 |
| 2.375 | 30.51 | 6.94 | 0.76 | 4.48 | 94.73 | 0.01 | 42.16 |
| 2.398 | 30.51 | 6.94 | 0.5 | 4.48 | 95.57 | 0.0 | 42.16 |
| 2.404 | 30.51 | 6.94 | 0.72 | 4.49 | 93.33 | 0.0 | 42.16 |
| 2.407 | 30.51 | 6.94 | 0.53 | 4.51 | 94.29 | 0.0 | 42.16 |
| 2.419 | 30.51 | 6.94 | 0.65 | 4.54 | 90.82 | 0.0 | 42.16 |
| 2.439 | 30.51 | 6.94 | 0.65 | 4.55 | 93.75 | 0.0 | 42.16 |
| 2.462 | 30.51 | 6.94 | 0.61 | 4.57 | 98.72 | 0.0 | 42.17 |
| 2.467 | 30.51 | 6.94 | 0.61 | 4.62 | 93.83 | 0.0 | 42.17 |
| 2.469 | 30.51 | 6.94 | 0.72 | 4.59 | 90.48 | 0.0 | 42.17 |
| 2.493 | 30.51 | 6.94 | 0.53 | 4.56 | 88.76 | 0.0 | 42.17 |
| 2.521 | 30.51 | 6.94 | 0.65 | 4.53 | 92.95 | 0.0 | 42.16 |
| 2.535 | 30.51 | 6.94 | 0.61 | 4.52 | 96.79 | 0.0 | 42.17 |
| 2.54 | 30.51 | 6.94 | 0.69 | 4.5 | 98.67 | 0.01 | 42.17 |
| 2.543 | 30.51 | 6.94 | 0.61 | 4.45 | 90.42 | 0.0 | 42.17 |
| 2.549 | 30.51 | 6.94 | 0.61 | 4.42 | 89.42 | 0.01 | 42.17 |
| 2.567 | 30.51 | 6.94 | 0.61 | 4.41 | 91.36 | 0.0 | 42.17 |
| 2.59 | 30.51 | 6.94 | 0.61 | 4.41 | 94.29 | 0.0 | 42.17 |
| 2.6 | 30.51 | 6.94 | 0.57 | 4.41 | 94.44 | 0.0 | 42.17 |
| 2.603 | 30.51 | 6.94 | 0.61 | 4.42 | 93.18 | 0.01 | 42.17 |
| 2.608 | 30.51 | 6.94 | 0.69 | 4.45 | 92.56 | 0.0 | 42.17 |
| 2.62 | 30.51 | 6.94 | 0.65 | 4.47 | 92.97 | 0.0 | 42.17 |
| 2.642 | 30.51 | 6.94 | 0.76 | 4.48 | 92.77 | 0.0 | 42.17 |
| 2.67 | 30.51 | 6.94 | 0.69 | 4.49 | 92.3 | 0.02 | 42.17 |
| 2.694 | 30.51 | 6.94 | 0.65 | 4.49 | 91.6 | 0.0 | 42.17 |
| 2.698 | 30.51 | 6.94 | 0.46 | 4.48 | 92.8 | 0.0 | 42.17 |
| 2.699 | 30.51 | 6.94 | 0.61 | 4.45 | 92.62 | 0.02 | 42.17 |
| 2.705 | 30.51 | 6.94 | 0.57 | 4.42 | 92.3 | 0.03 | 42.17 |
| 2.721 | 30.51 | 6.94 | 0.72 | 4.41 | 91.85 | 0.0 | 42.17 |
| 2.751 | 30.51 | 6.94 | 0.61 | 4.44 | 91.05 | 0.0 | 42.17 |

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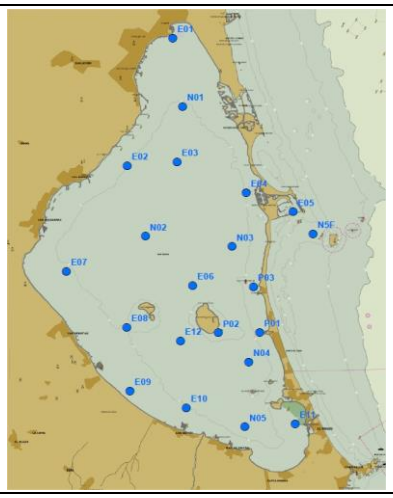
| 2.782 | 30.51 | 6.94 | 0.57 | 4.46 | 89.38 | 0.0 | 42.17 |
| 2.801 | 30.51 | 6.94 | 0.72 | 4.47 | 89.9 | 0.0 | 42.17 |
| 2.808 | 30.51 | 6.94 | 0.65 | 4.49 | 90.56 | 0.0 | 42.17 |
| 2.817 | 30.52 | 6.94 | 0.57 | 4.49 | 91.18 | 0.0 | 42.17 |
| 2.824 | 30.52 | 6.94 | 0.57 | 4.51 | 91.6 | 0.0 | 42.17 |
| 2.829 | 30.52 | 6.94 | 0.57 | 4.52 | 90.67 | 0.0 | 42.17 |
| 2.84 | 30.52 | 6.94 | 0.69 | 4.51 | 90.88 | 0.01 | 42.17 |
| 2.865 | 30.52 | 6.94 | 0.65 | 4.51 | 91.43 | 0.0 | 42.17 |
| 2.888 | 30.52 | 6.94 | 0.65 | 4.53 | 91.51 | 0.0 | 42.17 |
| 2.903 | 30.52 | 6.94 | 0.65 | 4.54 | 91.66 | 0.01 | 42.17 |
| 2.911 | 30.52 | 6.94 | 0.61 | 4.51 | 92.67 | 0.0 | 42.17 |
| 2.917 | 30.52 | 6.94 | 0.57 | 4.52 | 92.04 | 0.01 | 42.17 |
| 2.934 | 30.52 | 6.94 | 0.65 | 4.52 | 92.3 | 0.0 | 42.17 |
| 2.963 | 30.52 | 6.94 | 0.61 | 4.53 | 92.07 | 0.0 | 42.17 |
| 2.995 | 30.52 | 6.94 | 0.69 | 4.54 | 92.17 | 0.01 | 42.17 |
| 3.007 | 30.52 | 6.94 | 0.65 | 4.52 | 89.38 | 0.01 | 42.17 |
| 3.008 | 30.52 | 6.94 | 0.61 | 4.5 | 91.88 | 0.02 | 42.17 |
| 3.018 | 30.52 | 6.94 | 0.65 | 4.5 | 92.17 | 0.0 | 42.17 |
| 3.027 | 30.52 | 6.94 | 0.65 | 4.5 | 90.98 | 0.0 | 42.17 |
| 3.037 | 30.52 | 6.94 | 0.69 | 4.52 | 89.52 | 0.0 | 42.17 |
| 3.053 | 30.52 | 6.94 | 0.65 | 4.53 | 89.19 | 0.0 | 42.17 |
| 3.07 | 30.52 | 6.94 | 0.69 | 4.53 | 89.23 | 0.0 | 42.17 |
| 3.078 | 30.52 | 6.94 | 0.69 | 4.52 | 90.98 | 0.0 | 42.17 |
| 3.087 | 30.52 | 6.94 | 0.57 | 4.5 | 92.02 | 0.0 | 42.17 |
| 3.109 | 30.52 | 6.94 | 0.65 | 4.48 | 91.45 | 0.02 | 42.17 |
| 3.11 | 30.52 | 6.94 | 0.72 | 4.47 | 89.75 | 0.0 | 42.17 |
| 3.117 | 30.52 | 6.94 | 0.65 | 4.51 | 92.88 | 0.0 | 42.17 |
| 3.144 | 30.52 | 6.94 | 0.65 | 4.56 | 95.52 | 0.0 | 42.17 |
| 3.179 | 30.52 | 6.94 | 0.69 | 4.61 | 93.79 | 0.01 | 42.17 |
| 3.198 | 30.52 | 6.94 | 0.65 | 4.59 | 92.9 | 0.02 | 42.18 |
| 3.21 | 30.52 | 6.94 | 0.69 | 4.58 | 93.46 | 0.02 | 42.18 |
| 3.236 | 30.52 | 6.94 | 0.65 | 4.57 | 92.69 | 0.0 | 42.18 |
| 3.264 | 30.52 | 6.94 | 0.8 | 4.58 | 91.41 | 0.0 | 42.18 |
| 3.275 | 30.52 | 6.95 | 0.61 | 4.72 | 90.96 | 0.01 | 42.18 |
| 3.305 | 30.52 | 6.94 | 0.72 | 4.73 | 91.32 | 0.05 | 42.18 |
| 3.345 | 30.52 | 6.94 | 0.57 | 4.73 | 89.56 | 0.0 | 42.18 |
| 3.364 | 30.52 | 6.94 | 0.57 | 4.72 | 88.96 | 0.0 | 42.17 |
| 3.373 | 30.52 | 6.94 | 0.69 | 4.73 | 91.36 | 0.0 | 42.17 |
| 3.42 | 30.52 | 6.94 | 0.53 | 4.72 | 91.03 | 0.01 | 42.17 |
| 3.459 | 30.51 | 6.94 | 0.65 | 4.66 | 86.78 | 0.0 | 42.17 |
| 3.467 | 30.51 | 6.94 | 0.65 | 4.63 | 89.15 | 0.01 | 42.17 |
| 3.495 | 30.51 | 6.94 | 0.65 | 4.59 | 90.27 | 0.01 | 42.17 |
| 3.524 | 30.51 | 6.94 | 0.65 | 4.54 | 88.76 | 0.02 | 42.17 |
| 3.534 | 30.51 | 6.94 | 0.72 | 4.51 | 86.5 | 0.0 | 42.17 |
| 3.535 | 30.51 | 6.94 | 0.69 | 4.48 | 86.62 | 0.0 | 42.17 |
| 3.544 | 30.51 | 6.94 | 0.8 | 4.48 | 85.58 | 0.01 | 42.17 |
| 3.574 | 30.51 | 6.94 | 0.65 | 4.49 | 86.62 | 0.01 | 42.17 |
| 3.605 | 30.52 | 6.94 | 0.61 | 4.48 | 87.79 | 0.0 | 42.17 |
| 3.617 | 30.52 | 6.94 | 0.72 | 4.55 | 88.63 | 0.0 | 42.17 |
| 3.621 | 30.52 | 6.94 | 0.69 | 4.57 | 87.98 | 0.0 | 42.17 |
| 3.641 | 30.52 | 6.94 | 0.61 | 4.59 | 86.94 | 0.0 | 42.17 |
| 3.678 | 30.52 | 6.94 | 0.69 | 4.59 | 86.6 | 0.0 | 42.17 |
| 3.697 | 30.52 | 6.94 | 0.65 | 4.53 | 87.29 | 0.0 | 42.17 |
| 3.702 | 30.52 | 6.94 | 0.8 | 4.5 | 88.37 | 0.03 | 42.17 |
| 3.718 | 30.52 | 6.94 | 0.65 | 4.48 | 88.1 | 0.02 | 42.17 |
| 3.733 | 30.52 | 6.94 | 0.88 | 4.46 | 87.04 | 0.01 | 42.17 |
| 3.748 | 30.52 | 6.94 | 0.72 | 4.45 | 86.3 | 0.05 | 42.17 |
| 3.764 | 30.52 | 6.94 | 0.57 | 4.46 | 85.9 | 0.0 | 42.17 |

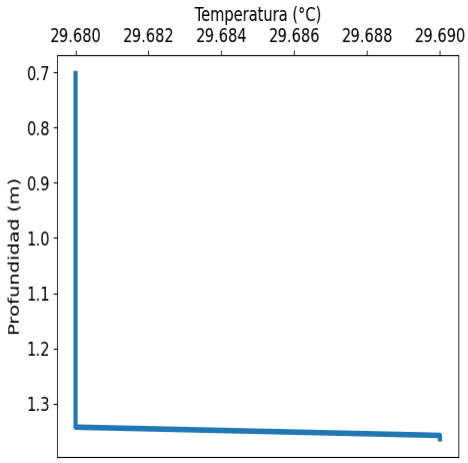
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.776 | 30.52 | 6.94 | 0.57 | 4.48 | 88.96 | 0.02 | 42.17 |
| 3.784 | 30.51 | 6.94 | 0.65 | 4.55 | 88.24 | 0.02 | 42.17 |
| 3.792 | 30.51 | 6.94 | 0.72 | 4.61 | 87.19 | 0.0 | 42.17 |
| 3.799 | 30.51 | 6.94 | 0.72 | 4.68 | 87.53 | 0.01 | 42.17 |
| 3.808 | 30.51 | 6.94 | 0.61 | 4.73 | 88.57 | 0.03 | 42.17 |
| 3.816 | 30.51 | 6.94 | 0.72 | 4.77 | 86.32 | 0.02 | 42.17 |
| 3.827 | 30.51 | 6.94 | 0.84 | 4.8 | 87.33 | 0.04 | 42.17 |
| 3.836 | 30.51 | 6.94 | 0.65 | 4.83 | 88.86 | 0.03 | 42.17 |
| 3.844 | 30.51 | 6.94 | 0.69 | 4.84 | 88.72 | 0.01 | 42.17 |
| 3.859 | 30.51 | 6.94 | 0.8 | 4.85 | 89.44 | 0.01 | 42.17 |
| 3.88 | 30.51 | 6.94 | 0.69 | 4.84 | 88.53 | 0.0 | 42.17 |
| 3.892 | 30.52 | 6.94 | 0.65 | 4.82 | 89.9 | 0.04 | 42.17 |
| 3.896 | 30.52 | 6.94 | 0.76 | 4.8 | 90.75 | 0.01 | 42.17 |
| 3.92 | 30.51 | 6.94 | 0.65 | 4.79 | 91.09 | 0.07 | 42.17 |
| 3.958 | 30.51 | 6.94 | 0.65 | 4.79 | 90.5 | 0.02 | 42.17 |
| 3.985 | 30.51 | 6.94 | 0.65 | 4.8 | 88.59 | 0.0 | 42.17 |
| 3.993 | 30.51 | 6.94 | 0.57 | 4.8 | 90.42 | 0.0 | 42.17 |
| 3.995 | 30.51 | 6.94 | 0.72 | 4.77 | 90.65 | 0.0 | 42.17 |
| 3.997 | 30.51 | 6.94 | 0.61 | 4.73 | 90.23 | 0.02 | 42.17 |
| 4.003 | 30.51 | 6.94 | 0.61 | 4.68 | 89.48 | 0.0 | 42.17 |
| 4.004 | 30.51 | 6.94 | 0.65 | 4.63 | 90.67 | 0.0 | 42.17 |
| 4.008 | 30.51 | 6.94 | 0.61 | 4.59 | 91.05 | 0.0 | 42.17 |
| 4.02 | 30.51 | 6.94 | 0.53 | 4.54 | 88.45 | 0.03 | 42.17 |
| 4.045 | 30.51 | 6.94 | 0.69 | 4.51 | 87.29 | 0.0 | 42.17 |
| 4.068 | 30.51 | 6.94 | 0.61 | 4.61 | 94.09 | 0.0 | 42.17 |
| 4.069 | 30.51 | 6.94 | 0.8 | 4.65 | 92.54 | 0.02 | 42.17 |
| 4.096 | 30.51 | 6.94 | 0.76 | 4.68 | 89.33 | 0.04 | 42.17 |
| 4.129 | 30.51 | 6.94 | 0.61 | 4.71 | 88.14 | 0.0 | 42.17 |
| 4.146 | 30.51 | 6.94 | 0.8 | 4.76 | 89.0 | 0.02 | 42.17 |
| 4.147 | 30.51 | 6.94 | 0.69 | 4.8 | 96.95 | 0.03 | 42.17 |
| 4.168 | 30.51 | 6.94 | 0.61 | 4.79 | 94.53 | 0.04 | 42.17 |
| 4.202 | 30.51 | 6.94 | 0.69 | 4.77 | 93.53 | 0.0 | 42.17 |
| 4.223 | 30.51 | 6.94 | 0.69 | 4.72 | 94.84 | 0.0 | 42.17 |
| 4.228 | 30.51 | 6.94 | 0.53 | 4.65 | 94.38 | 0.0 | 42.17 |
| 4.231 | 30.51 | 6.94 | 0.61 | 4.58 | 97.22 | 0.0 | 42.17 |
| 4.239 | 30.51 | 6.94 | 0.57 | 4.5 | 98.51 | 0.0 | 42.17 |
| 4.247 | 30.51 | 6.94 | 0.65 | 4.45 | 104.32 | 0.0 | 42.17 |
| 4.265 | 30.51 | 6.94 | 0.65 | 4.42 | 109.04 | 0.02 | 42.17 |
| 4.299 | 30.51 | 6.94 | 0.8 | 4.4 | 99.89 | 0.01 | 42.18 |
| 4.32 | 30.52 | 6.94 | 0.61 | 4.41 | 99.96 | 0.0 | 42.18 |
| 4.326 | 30.52 | 6.94 | 0.65 | 4.43 | 97.97 | 0.0 | 42.18 |
| 4.327 | 30.52 | 6.94 | 0.69 | 4.48 | 107.36 | 0.02 | 42.18 |
| 4.338 | 30.52 | 6.95 | 0.72 | 4.54 | 107.48 | 0.02 | 42.18 |
| 4.36 | 30.52 | 6.95 | 0.61 | 4.62 | 103.96 | 0.0 | 42.18 |
| 4.382 | 30.52 | 6.95 | 0.57 | 4.86 | 119.11 | 0.03 | 42.18 |
| 4.384 | 30.52 | 6.95 | 0.57 | 4.85 | 112.58 | 0.04 | 42.18 |
| 4.401 | 30.52 | 6.95 | 0.65 | 4.82 | 107.81 | 0.04 | 42.18 |
| 4.425 | 30.52 | 6.95 | 0.72 | 4.81 | 110.49 | 0.04 | 42.18 |
| 4.43 | 30.52 | 6.95 | 0.8 | 4.78 | 119.3 | 0.03 | 42.19 |
| 4.451 | 30.52 | 6.95 | 0.69 | 4.74 | 114.61 | 0.04 | 42.19 |
| 4.489 | 30.52 | 6.95 | 0.72 | 4.71 | 109.39 | 0.01 | 42.19 |
| 4.514 | 30.52 | 6.95 | 0.76 | 4.73 | 122.86 | 0.02 | 42.18 |
| 4.527 | 30.52 | 6.95 | 0.65 | 4.75 | 115.89 | 0.04 | 42.18 |
| 4.561 | 30.52 | 6.95 | 0.61 | 4.78 | 109.06 | 0.03 | 42.18 |
| 4.589 | 30.52 | 6.95 | 0.72 | 4.81 | 110.44 | 0.0 | 42.18 |
| 4.597 | 30.52 | 6.95 | 0.65 | 4.8 | 129.11 | 0.02 | 42.18 |
| 4.602 | 30.52 | 6.95 | 0.61 | 4.77 | 118.34 | 0.03 | 42.18 |
| 4.632 | 30.52 | 6.95 | 0.65 | 4.76 | 108.89 | 0.04 | 42.18 |

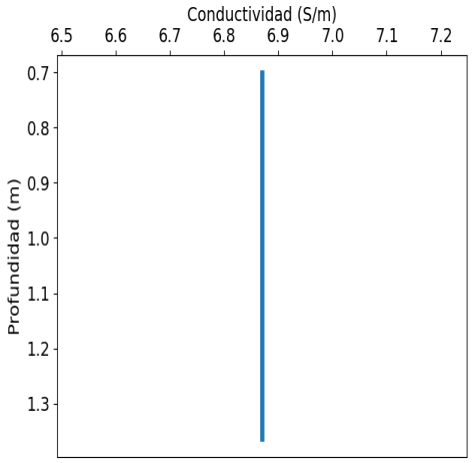
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.666 | 30.52 | 6.95 | 0.61 | 4.77 | 121.93 | 0.05 | 42.18 |
| 4.682 | 30.52 | 6.95 | 0.69 | 4.78 | 126.45 | 0.0 | 42.18 |
| 4.69 | 30.52 | 6.95 | 0.61 | 4.78 | 112.24 | 0.02 | 42.18 |
| 4.698 | 30.52 | 6.95 | 0.72 | 4.76 | 110.57 | 0.0 | 42.19 |
| 4.712 | 30.52 | 6.95 | 0.69 | 4.74 | 114.42 | 0.01 | 42.19 |
| 4.74 | 30.52 | 6.95 | 0.72 | 4.74 | 124.12 | 0.05 | 42.19 |
| 4.772 | 30.52 | 6.95 | 0.69 | 4.75 | 114.45 | 0.0 | 42.19 |
| 4.785 | 30.52 | 6.95 | 0.65 | 4.78 | 105.34 | 0.03 | 42.19 |
| 4.789 | 30.52 | 6.95 | 0.69 | 4.79 | 111.13 | 0.05 | 42.19 |
| 4.796 | 30.52 | 6.95 | 0.57 | 4.79 | 117.27 | 0.04 | 42.2 |
| 4.801 | 30.53 | 6.95 | 0.69 | 4.8 | 122.21 | 0.0 | 42.2 |
| 4.811 | 30.53 | 6.95 | 0.53 | 4.8 | 121.36 | 0.01 | 42.2 |
| 4.834 | 30.53 | 6.95 | 0.57 | 4.83 | 122.95 | 0.07 | 42.2 |
| 4.864 | 30.53 | 6.95 | 0.69 | 4.81 | 112.48 | 0.04 | 42.2 |
| 4.919 | 30.53 | 6.95 | 0.69 | 4.81 | 112.09 | 0.02 | 42.2 |
| 4.959 | 30.53 | 6.95 | 0.72 | 4.82 | 123.15 | 0.02 | 42.2 |
| 4.96 | 30.54 | 6.95 | 0.61 | 4.78 | 109.24 | 0.02 | 42.21 |
| 4.986 | 30.54 | 6.95 | 0.72 | 4.76 | 115.41 | 0.02 | 42.21 |
| 5.012 | 30.54 | 6.95 | 0.65 | 4.76 | 130.37 | 0.0 | 42.21 |
| 5.022 | 30.54 | 6.95 | 0.57 | 4.77 | 108.96 | 0.01 | 42.21 |
| 5.029 | 30.54 | 6.95 | 0.65 | 4.77 | 109.24 | 0.0 | 42.22 |
| 5.042 | 30.55 | 6.96 | 0.69 | 4.75 | 119.52 | 0.01 | 42.25 |
| 5.058 | 30.56 | 6.96 | 0.65 | 4.73 | 119.22 | 0.04 | 42.26 |
| 5.067 | 30.56 | 6.96 | 0.65 | 4.75 | 114.98 | 0.03 | 42.27 |
| 5.076 | 30.57 | 6.96 | 0.65 | 4.77 | 116.4 | 0.05 | 42.27 |
| 5.088 | 30.57 | 6.97 | 0.76 | 4.79 | 115.12 | 0.01 | 42.27 |
| 5.102 | 30.58 | 6.97 | 0.76 | 4.81 | 118.12 | 0.02 | 42.27 |
| 5.108 | 30.58 | 6.97 | 0.69 | 4.82 | 117.54 | 0.02 | 42.27 |
| 5.119 | 30.59 | 6.97 | 0.76 | 4.83 | 110.44 | 0.01 | 42.32 |
| 5.147 | 30.59 | 6.98 | 0.65 | 4.82 | 113.13 | 0.05 | 42.33 |
| 5.163 | 30.65 | 7.02 | 0.72 | 4.77 | 124.47 | 0.04 | 42.55 |
| 5.181 | 30.69 | 7.01 | 0.72 | 4.75 | 112.74 | 0.05 | 42.46 |
| 5.214 | 30.78 | 7.04 | 0.72 | 4.63 | 107.88 | 0.03 | 42.61 |
| 5.241 | 30.78 | 7.03 | 0.84 | 4.61 | 111.52 | 0.07 | 42.56 |
| 5.242 | 30.81 | 7.05 | 0.84 | 4.46 | 105.66 | 0.05 | 42.65 |
| 5.271 | 30.81 | 7.05 | 0.95 | 4.43 | 122.01 | 0.07 | 42.66 |
| 5.304 | 30.82 | 7.05 | 0.88 | 4.4 | 95.86 | 0.03 | 42.66 |
| 5.309 | 30.82 | 7.05 | 0.88 | 4.37 | 99.96 | 0.07 | 42.67 |
| 5.34 | 30.83 | 7.06 | 0.92 | 4.35 | 115.87 | 0.06 | 42.67 |
| 5.372 | 30.83 | 7.06 | 0.99 | 4.35 | 107.46 | 0.05 | 42.67 |
| 5.373 | 30.83 | 7.06 | 0.99 | 4.3 | 106.29 | 0.04 | 42.67 |
| 5.388 | 30.83 | 7.06 | 1.03 | 4.28 | 109.95 | 0.04 | 42.68 |
| 5.405 | 30.83 | 7.06 | 0.88 | 4.28 | 110.87 | 0.03 | 42.67 |
| 5.414 | 30.83 | 7.06 | 0.95 | 4.29 | 110.05 | 0.03 | 42.67 |
| 5.417 | 30.83 | 7.06 | 0.84 | 4.3 | 110.49 | 0.04 | 42.67 |
| 5.42 | 30.83 | 7.06 | 0.84 | 4.3 | 105.88 | 0.05 | 42.68 |
| 5.43 | 30.83 | 7.06 | 0.84 | 4.31 | 105.83 | 0.06 | 42.68 |
| 5.445 | 30.83 | 7.06 | 0.65 | 4.32 | 102.47 | 0.03 | 42.68 |
| 5.458 | 30.83 | 7.06 | 0.95 | 4.32 | 104.32 | 0.02 | 42.68 |
| 5.464 | 30.83 | 7.06 | 0.76 | 4.31 | 113.58 | 0.0 | 42.67 |
| 5.468 | 30.83 | 7.06 | 0.92 | 4.31 | 110.62 | 0.05 | 42.67 |
| 5.478 | 30.83 | 7.06 | 0.92 | 4.3 | 103.81 | 0.01 | 42.68 |
| 5.492 | 30.83 | 7.06 | 0.92 | 4.29 | 102.09 | 0.03 | 42.68 |
| 5.502 | 30.83 | 7.06 | 0.95 | 4.28 | 106.62 | 0.03 | 42.68 |
| 5.51 | 30.83 | 7.06 | 0.92 | 4.3 | 104.75 | 0.01 | 42.68 |
| 5.511 | 30.84 | 7.06 | 0.88 | 4.29 | 100.17 | 0.04 | 42.68 |
| 5.533 | 30.84 | 7.06 | 0.99 | 4.28 | 100.5 | 0.04 | 42.68 |
| 5.56 | 30.84 | 7.06 | 0.84 | 4.29 | 95.88 | 0.0 | 42.68 |

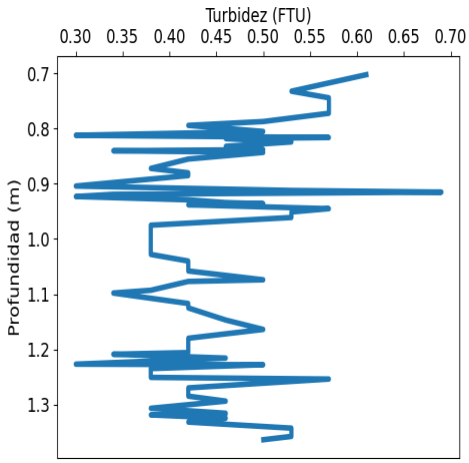
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.585 | 30.83 | 7.06 | 0.88 | 4.27 | 97.85 | 0.0 | 42.68 |
| 5.622 | 30.83 | 7.06 | 0.99 | 4.27 | 102.88 | 0.25 | 42.68 |
| 5.646 | 30.83 | 7.06 | 0.84 | 4.29 | 103.84 | 0.31 | 42.68 |
| 5.656 | 30.83 | 7.06 | 1.03 | 4.3 | 98.28 | 0.32 | 42.68 |
| 5.662 | 30.83 | 7.06 | 0.88 | 4.32 | 93.16 | 0.34 | 42.68 |
| 5.673 | 30.83 | 7.06 | 0.88 | 4.31 | 91.81 | 0.39 | 42.67 |
| 5.689 | 30.83 | 7.06 | 0.84 | 4.27 | 94.95 | 0.31 | 42.67 |
| 5.694 | 30.83 | 7.06 | 0.84 | 4.16 | 101.48 | 0.4 | 42.67 |
| 5.706 | 30.83 | 7.06 | 0.95 | 4.08 | 93.98 | 0.41 | 42.67 |
| 5.735 | 30.83 | 7.06 | 0.92 | 4.01 | 87.69 | 0.4 | 42.67 |
| 5.75 | 30.83 | 7.06 | 0.84 | 3.81 | 94.49 | 0.34 | 42.67 |
| 5.778 | 30.83 | 7.06 | 0.99 | 3.79 | 89.33 | 0.36 | 42.67 |
| 5.805 | 30.83 | 7.06 | 0.95 | 3.89 | 92.26 | 0.39 | 42.68 |
| 5.815 | 30.83 | 7.06 | 0.88 | 3.92 | 96.66 | 0.33 | 42.68 |
| 5.832 | 30.83 | 7.06 | 0.95 | 3.97 | 91.85 | 0.37 | 42.68 |
| 5.843 | 30.83 | 7.06 | 0.84 | 4.05 | 87.17 | 0.28 | 42.68 |
| 5.851 | 30.83 | 7.06 | 0.95 | 4.12 | 85.37 | 0.34 | 42.68 |
| 5.863 | 30.83 | 7.06 | 0.88 | 4.18 | 89.71 | 0.35 | 42.68 |
| 5.876 | 30.83 | 7.06 | 0.8 | 4.23 | 92.54 | 0.37 | 42.68 |
| 5.88 | 30.83 | 7.06 | 0.84 | 4.28 | 94.68 | 0.34 | 42.68 |
| 5.883 | 30.83 | 7.06 | 0.99 | 4.31 | 96.75 | 0.3 | 42.68 |
| 5.893 | 30.83 | 7.06 | 0.88 | 4.32 | 90.84 | 0.34 | 42.68 |
| 5.918 | 30.83 | 7.06 | 0.84 | 4.33 | 86.5 | 0.34 | 42.68 |
| 5.959 | 30.83 | 7.06 | 0.92 | 4.33 | 85.09 | 0.28 | 42.68 |
| 5.96 | 30.84 | 7.06 | 0.99 | 4.33 | 89.09 | 0.32 | 42.68 |
| 5.99 | 30.84 | 7.06 | 0.76 | 4.32 | 86.88 | 0.29 | 42.68 |
| 6.027 | 30.84 | 7.06 | 0.84 | 4.32 | 91.09 | 0.34 | 42.68 |
| 6.037 | 30.84 | 7.06 | 0.88 | 4.33 | 86.72 | 0.3 | 42.68 |
| 6.051 | 30.84 | 7.06 | 0.92 | 4.33 | 82.81 | 0.29 | 42.68 |
| 6.071 | 30.83 | 7.06 | 0.92 | 4.33 | 83.99 | 0.27 | 42.68 |
| 6.077 | 30.84 | 7.06 | 0.69 | 4.34 | 81.78 | 0.25 | 42.68 |
| 6.083 | 30.84 | 7.06 | 0.84 | 4.34 | 77.16 | 0.28 | 42.68 |
| 6.108 | 30.84 | 7.06 | 0.84 | 4.33 | 76.73 | 0.29 | 42.68 |
| 6.141 | 30.84 | 7.06 | 0.76 | 4.34 | 79.41 | 0.36 | 42.68 |
| 6.145 | 30.84 | 7.06 | 0.88 | 4.34 | 71.98 | 0.38 | 42.68 |
| 6.149 | 30.84 | 7.06 | 0.84 | 4.34 | 70.94 | 0.36 | 42.68 |
| 6.182 | 30.84 | 7.06 | 0.8 | 4.35 | 67.88 | 0.38 | 42.68 |
| 6.197 | 30.84 | 7.06 | 0.76 | 4.35 | 70.33 | 0.38 | 42.68 |
| 6.215 | 30.84 | 7.06 | 0.92 | 4.35 | 74.42 | 0.45 | 42.68 |
| 6.237 | 30.84 | 7.06 | 0.88 | 4.36 | 73.55 | 0.48 | 42.68 |
| 6.239 | 30.84 | 7.06 | 0.84 | 4.36 | 72.58 | 0.45 | 42.68 |

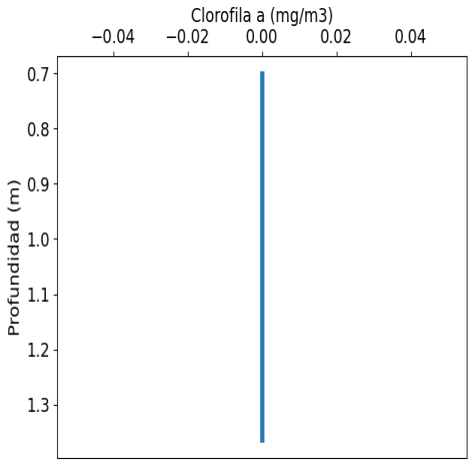
**Nombre: CTD P03 - Punto 010** **Fecha: 08/08/2022** **Hora: 08:08:47**

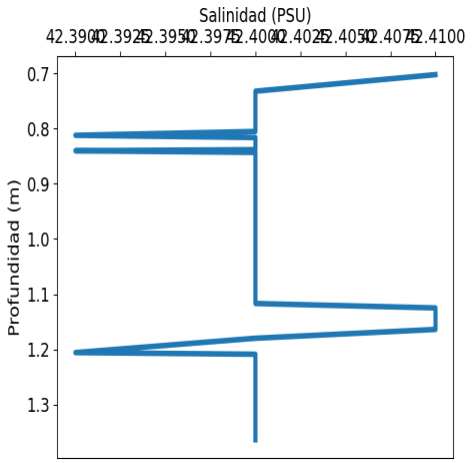


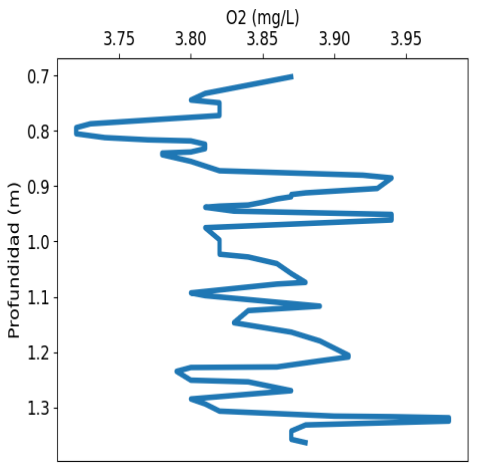



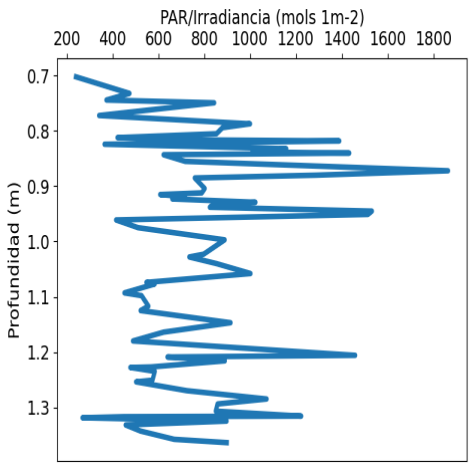




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m$^3$) | Salinidad (PSU) |
| **MÍNIMO** | 29.68 | 6.87 | 0.31 | 3.72 | 240.79 | 0.0 | 42.39 |
| **PROF (metros)** | 0.702 | 0.702 | 0.812 | 0.794 | 0.702 | 0.702 | 0.812 |
| **MÁXIMO** | 29.69 | 29.69 | 0.69 | 3.98 | 1862.3 | 0.0 | 42.41 |
| **PROF (metros)** | 1.358 | 0.702 | 0.915 | 1.319 | 0.872 | 0.702 | 0.702 |

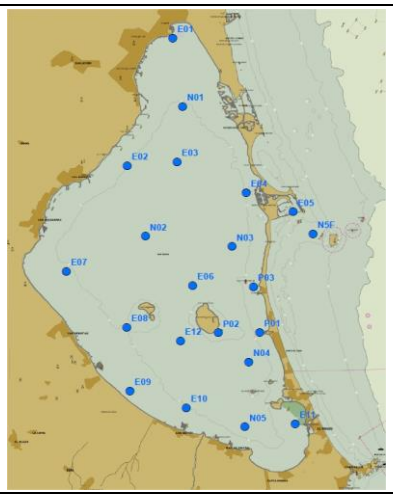
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P03 - Punto 010 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 29.68 | 6.87 | 0.47 | 3.83 | 844.8 | 0.0 | 42.4 |
| 1 - 2m | 29.68 | 6.87 | 0.43 | 3.86 | 702.56 | 0.0 | 42.4 |

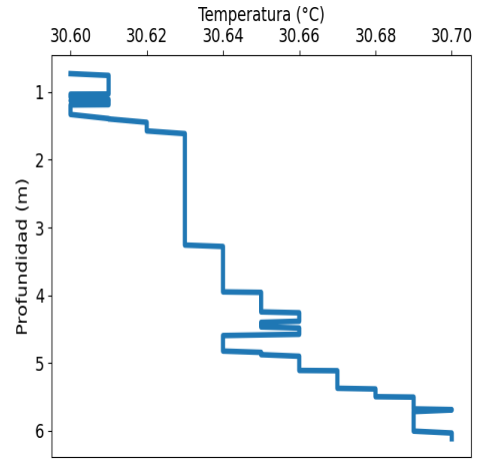
| OBSERVACIONES GENERALES |
|---|
| HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m con los valores 3.83, 3.86 respectivamente. |

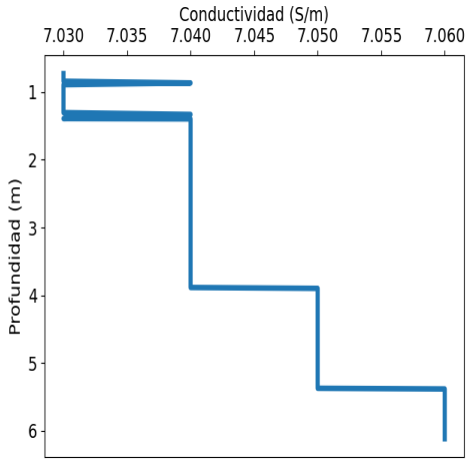
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.702 | 29.68 | 6.87 | 0.61 | 3.87 | 240.79 | 0.0 | 42.41 |
| 0.732 | 29.68 | 6.87 | 0.53 | 3.81 | 474.42 | 0.0 | 42.4 |
| 0.744 | 29.68 | 6.87 | 0.57 | 3.8 | 373.32 | 0.0 | 42.4 |
| 0.749 | 29.68 | 6.87 | 0.57 | 3.82 | 843.33 | 0.0 | 42.4 |
| 0.772 | 29.68 | 6.87 | 0.57 | 3.82 | 341.53 | 0.0 | 42.4 |
| 0.787 | 29.68 | 6.87 | 0.5 | 3.73 | 999.73 | 0.0 | 42.4 |
| 0.794 | 29.68 | 6.87 | 0.42 | 3.72 | 879.46 | 0.0 | 42.4 |
| 0.805 | 29.68 | 6.87 | 0.5 | 3.72 | 853.16 | 0.0 | 42.4 |
| 0.812 | 29.68 | 6.87 | 0.3 | 3.74 | 421.53 | 0.0 | 42.39 |
| 0.816 | 29.68 | 6.87 | 0.57 | 3.77 | 733.16 | 0.0 | 42.4 |
| 0.818 | 29.68 | 6.87 | 0.46 | 3.8 | 1388.4 | 0.0 | 42.4 |
| 0.824 | 29.68 | 6.87 | 0.53 | 3.81 | 365.11 | 0.0 | 42.4 |
| 0.832 | 29.68 | 6.87 | 0.46 | 3.81 | 1157.4 | 0.0 | 42.4 |
| 0.838 | 29.68 | 6.87 | 0.5 | 3.8 | 1010.4 | 0.0 | 42.4 |
| 0.84 | 29.68 | 6.87 | 0.34 | 3.78 | 1431.9 | 0.0 | 42.39 |
| 0.843 | 29.68 | 6.87 | 0.5 | 3.78 | 622.2 | 0.0 | 42.4 |
| 0.855 | 29.68 | 6.87 | 0.42 | 3.8 | 717.03 | 0.0 | 42.4 |
| 0.872 | 29.68 | 6.87 | 0.38 | 3.82 | 1862.3 | 0.0 | 42.4 |
| 0.88 | 29.68 | 6.87 | 0.42 | 3.92 | 1285.3 | 0.0 | 42.4 |
| 0.885 | 29.68 | 6.87 | 0.42 | 3.94 | 758.22 | 0.0 | 42.4 |
| 0.904 | 29.68 | 6.87 | 0.3 | 3.93 | 801.96 | 0.0 | 42.4 |
| 0.912 | 29.68 | 6.87 | 0.53 | 3.88 | 789.24 | 0.0 | 42.4 |
| 0.915 | 29.68 | 6.87 | 0.69 | 3.87 | 607.67 | 0.0 | 42.4 |
| 0.919 | 29.68 | 6.87 | 0.34 | 3.87 | 715.04 | 0.0 | 42.4 |
| 0.923 | 29.68 | 6.87 | 0.3 | 3.86 | 660.39 | 0.0 | 42.4 |
| 0.929 | 29.68 | 6.87 | 0.42 | 3.85 | 1023.2 | 0.0 | 42.4 |
| 0.934 | 29.68 | 6.87 | 0.46 | 3.84 | 854.55 | 0.0 | 42.4 |
| 0.936 | 29.68 | 6.87 | 0.5 | 3.82 | 829.37 | 0.0 | 42.4 |
| 0.938 | 29.68 | 6.87 | 0.42 | 3.81 | 823.82 | 0.0 | 42.4 |
| 0.945 | 29.68 | 6.87 | 0.57 | 3.83 | 1530.4 | 0.0 | 42.4 |
| 0.951 | 29.68 | 6.87 | 0.53 | 3.94 | 1513.1 | 0.0 | 42.4 |
| 0.961 | 29.68 | 6.87 | 0.53 | 3.94 | 415.32 | 0.0 | 42.4 |
| 0.975 | 29.68 | 6.87 | 0.38 | 3.81 | 511.66 | 0.0 | 42.4 |
| 0.997 | 29.68 | 6.87 | 0.38 | 3.82 | 888.89 | 0.0 | 42.4 |
| 1.023 | 29.68 | 6.87 | 0.38 | 3.82 | 797.15 | 0.0 | 42.4 |
| 1.028 | 29.68 | 6.87 | 0.38 | 3.84 | 734.52 | 0.0 | 42.4 |
| 1.04 | 29.68 | 6.87 | 0.42 | 3.86 | 853.16 | 0.0 | 42.4 |
| 1.058 | 29.68 | 6.87 | 0.42 | 3.87 | 1001.6 | 0.0 | 42.4 |

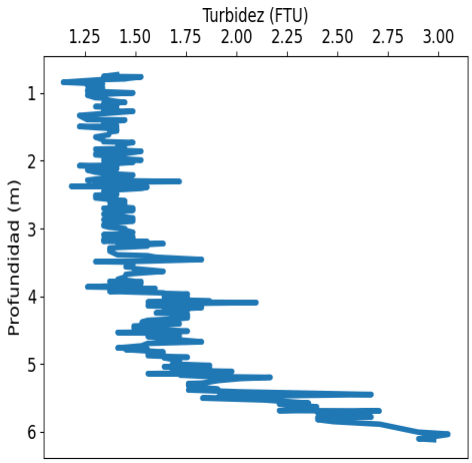
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.074 | 29.68 | 6.87 | 0.5 | 3.88 | 547.35 | 0.0 | 42.4 |
| 1.077 | 29.68 | 6.87 | 0.42 | 3.86 | 583.92 | 0.0 | 42.4 |
| 1.093 | 29.68 | 6.87 | 0.38 | 3.8 | 451.78 | 0.0 | 42.4 |
| 1.098 | 29.68 | 6.87 | 0.34 | 3.81 | 526.82 | 0.0 | 42.4 |
| 1.117 | 29.68 | 6.87 | 0.42 | 3.89 | 556.57 | 0.0 | 42.4 |
| 1.125 | 29.68 | 6.87 | 0.42 | 3.84 | 522.2 | 0.0 | 42.41 |
| 1.147 | 29.68 | 6.87 | 0.46 | 3.83 | 914.81 | 0.0 | 42.41 |
| 1.164 | 29.68 | 6.87 | 0.5 | 3.87 | 623.07 | 0.0 | 42.41 |
| 1.18 | 29.68 | 6.87 | 0.42 | 3.89 | 488.93 | 0.0 | 42.4 |
| 1.206 | 29.68 | 6.87 | 0.42 | 3.91 | 1457.6 | 0.0 | 42.39 |
| 1.209 | 29.68 | 6.87 | 0.34 | 3.91 | 639.31 | 0.0 | 42.4 |
| 1.216 | 29.68 | 6.87 | 0.46 | 3.89 | 889.71 | 0.0 | 42.4 |
| 1.227 | 29.68 | 6.87 | 0.3 | 3.86 | 568.69 | 0.0 | 42.4 |
| 1.228 | 29.68 | 6.87 | 0.5 | 3.8 | 477.51 | 0.0 | 42.4 |
| 1.235 | 29.68 | 6.87 | 0.38 | 3.79 | 584.46 | 0.0 | 42.4 |
| 1.251 | 29.68 | 6.87 | 0.38 | 3.8 | 574.39 | 0.0 | 42.4 |
| 1.254 | 29.68 | 6.87 | 0.57 | 3.84 | 502.37 | 0.0 | 42.4 |
| 1.27 | 29.68 | 6.87 | 0.42 | 3.87 | 724.21 | 0.0 | 42.4 |
| 1.285 | 29.68 | 6.87 | 0.42 | 3.8 | 1071.7 | 0.0 | 42.4 |
| 1.294 | 29.68 | 6.87 | 0.46 | 3.81 | 857.72 | 0.0 | 42.4 |
| 1.307 | 29.68 | 6.87 | 0.38 | 3.82 | 849.81 | 0.0 | 42.4 |
| 1.316 | 29.68 | 6.87 | 0.46 | 3.9 | 1222.5 | 0.0 | 42.4 |
| 1.317 | 29.68 | 6.87 | 0.46 | 3.94 | 449.9 | 0.0 | 42.4 |
| 1.319 | 29.68 | 6.87 | 0.38 | 3.98 | 269.06 | 0.0 | 42.4 |
| 1.325 | 29.68 | 6.87 | 0.46 | 3.98 | 897.38 | 0.0 | 42.4 |
| 1.332 | 29.68 | 6.87 | 0.42 | 3.88 | 457.15 | 0.0 | 42.4 |
| 1.343 | 29.68 | 6.87 | 0.53 | 3.87 | 521.96 | 0.0 | 42.4 |
| 1.358 | 29.69 | 6.87 | 0.53 | 3.87 | 669.02 | 0.0 | 42.4 |
| 1.364 | 29.69 | 6.87 | 0.5 | 3.88 | 898.0 | 0.0 | 42.4 |

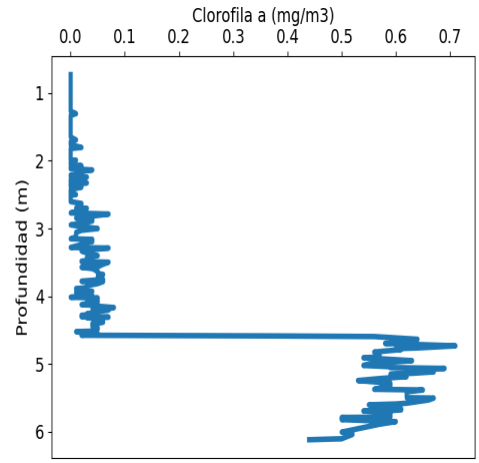
**Nombre: CTD E06 - Punto 011** **Fecha: 08/08/2022** **Hora: 08:08:19**

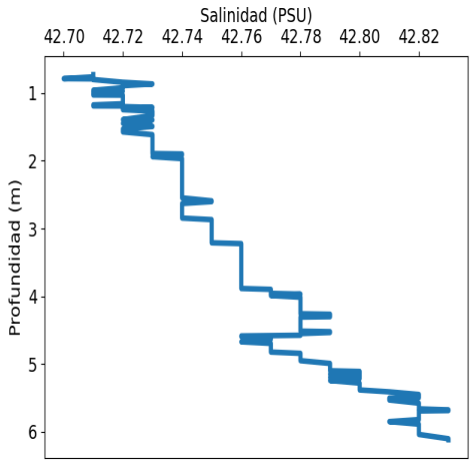


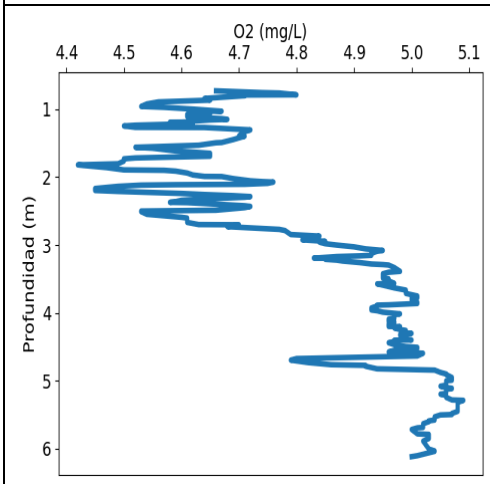



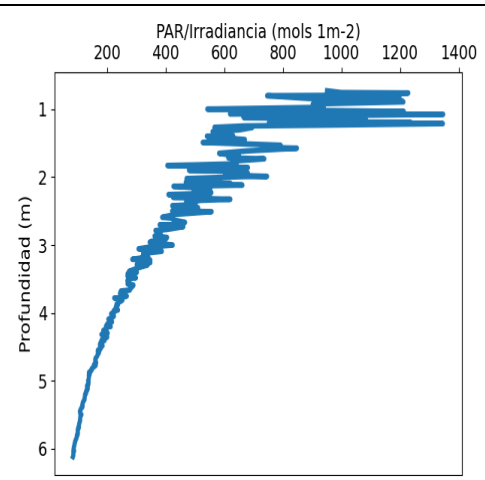




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.6 | 7.03 | 1.14 | 4.42 | 84.05 | 0.0 | 42.7 |
| **PROF (metros)** | 0.73 | 0.73 | 0.842 | 1.82 | 6.116 | 0.73 | 0.789 |
| **MÁXIMO** | 30.7 | 30.7 | 3.05 | 5.09 | 1346.3 | 0.71 | 42.83 |
| **PROF (metros)** | 5.686 | 5.382 | 6.032 | 5.287 | 1.076 | 4.731 | 5.676 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E06 - Punto 011 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.61 | 7.03 | 1.35 | 4.65 | 985.34 | 0.0 | 42.71 |
| 1 - 2m | 30.62 | 7.04 | 1.37 | 4.6 | 750.31 | 0.0 | 42.73 |
| 2 - 3m | 30.63 | 7.04 | 1.39 | 4.66 | 475.17 | 0.01 | 42.74 |
| 3 - 4m | 30.64 | 7.04 | 1.48 | 4.94 | 287.38 | 0.03 | 42.76 |
| 4 - 5m | 30.65 | 7.05 | 1.66 | 4.98 | 182.17 | 0.2 | 42.78 |
| 5 - 6m | 30.68 | 7.06 | 2.06 | 5.05 | 117.08 | 0.6 | 42.81 |
| 6 - 7m | 30.7 | 7.06 | 2.98 | 5.02 | 85.86 | 0.5 | 42.82 |

| 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) |
| 0.73 | 30.6 | 7.03 | 1.41 | 4.66 | 950.03 | 0.0 | 42.71 |
| 0.756 | 30.61 | 7.03 | 1.34 | 4.74 | 998.8 | 0.0 | 42.71 |
| 0.762 | 30.61 | 7.03 | 1.53 | 4.77 | 1227.3 | 0.0 | 42.71 |
| 0.789 | 30.61 | 7.03 | 1.45 | 4.8 | 1069.2 | 0.0 | 42.7 |
| 0.792 | 30.61 | 7.03 | 1.45 | 4.7 | 1198.9 | 0.0 | 42.71 |
| 0.802 | 30.61 | 7.03 | 1.34 | 4.71 | 745.84 | 0.0 | 42.71 |
| 0.842 | 30.61 | 7.03 | 1.14 | 4.64 | 886.01 | 0.0 | 42.72 |
| 0.867 | 30.61 | 7.04 | 1.34 | 4.65 | 1201.4 | 0.0 | 42.73 |
| 0.893 | 30.61 | 7.03 | 1.26 | 4.56 | 1210.7 | 0.0 | 42.72 |
| 0.923 | 30.61 | 7.03 | 1.34 | 4.54 | 901.34 | 0.0 | 42.72 |
| 0.96 | 30.61 | 7.03 | 1.26 | 4.53 | 938.86 | 0.0 | 42.71 |
| 0.973 | 30.61 | 7.03 | 1.26 | 4.57 | 939.08 | 0.0 | 42.72 |
| 0.999 | 30.61 | 7.03 | 1.49 | 4.62 | 541.93 | 0.0 | 42.71 |
| 1.03 | 30.61 | 7.03 | 1.26 | 4.67 | 1133.3 | 0.0 | 42.71 |
| 1.032 | 30.6 | 7.03 | 1.26 | 4.64 | 1211.8 | 0.0 | 42.72 |
| 1.069 | 30.6 | 7.03 | 1.3 | 4.65 | 619.18 | 0.0 | 42.72 |
| 1.076 | 30.6 | 7.03 | 1.34 | 4.61 | 1346.3 | 0.0 | 42.72 |
| 1.109 | 30.61 | 7.03 | 1.37 | 4.61 | 664.69 | 0.0 | 42.72 |
| 1.127 | 30.6 | 7.03 | 1.41 | 4.64 | 667.01 | 0.0 | 42.72 |
| 1.139 | 30.61 | 7.03 | 1.45 | 4.67 | 1081.4 | 0.0 | 42.72 |
| 1.15 | 30.61 | 7.03 | 1.34 | 4.68 | 907.84 | 0.0 | 42.72 |
| 1.159 | 30.61 | 7.03 | 1.37 | 4.65 | 821.53 | 0.0 | 42.72 |
| 1.176 | 30.61 | 7.03 | 1.37 | 4.62 | 1085.7 | 0.0 | 42.71 |
| 1.188 | 30.61 | 7.03 | 1.37 | 4.61 | 1002.5 | 0.0 | 42.71 |
| 1.191 | 30.6 | 7.03 | 1.37 | 4.6 | 752.27 | 0.0 | 42.71 |
| 1.192 | 30.6 | 7.03 | 1.41 | 4.58 | 1235.0 | 0.0 | 42.72 |
| 1.201 | 30.6 | 7.03 | 1.3 | 4.58 | 807.93 | 0.0 | 42.72 |
| 1.213 | 30.6 | 7.03 | 1.37 | 4.62 | 1345.3 | 0.0 | 42.73 |
| 1.236 | 30.6 | 7.03 | 1.41 | 4.52 | 921.62 | 0.0 | 42.72 |
| 1.247 | 30.6 | 7.03 | 1.41 | 4.5 | 669.8 | 0.0 | 42.72 |
| 1.268 | 30.6 | 7.03 | 1.34 | 4.52 | 566.19 | 0.0 | 42.73 |
| 1.27 | 30.6 | 7.03 | 1.49 | 4.64 | 695.26 | 0.0 | 42.73 |
| 1.305 | 30.6 | 7.03 | 1.34 | 4.72 | 650.52 | 0.01 | 42.73 |
| 1.332 | 30.6 | 7.04 | 1.22 | 4.71 | 559.67 | 0.0 | 42.73 |
| 1.393 | 30.61 | 7.03 | 1.26 | 4.7 | 630.33 | 0.0 | 42.72 |

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|---|---|---|---|---|---|---|---|
| 1.398 | 30.61 | 7.04 | 1.45 | 4.71 | 540.55 | 0.0 | 42.73 |
| 1.448 | 30.62 | 7.04 | 1.34 | 4.69 | 670.26 | 0.0 | 42.72 |
| 1.491 | 30.62 | 7.04 | 1.41 | 4.67 | 526.09 | 0.0 | 42.73 |
| 1.495 | 30.62 | 7.04 | 1.22 | 4.66 | 563.18 | 0.0 | 42.73 |
| 1.531 | 30.62 | 7.04 | 1.41 | 4.63 | 791.99 | 0.0 | 42.72 |
| 1.561 | 30.62 | 7.04 | 1.41 | 4.52 | 729.26 | 0.0 | 42.72 |
| 1.575 | 30.62 | 7.04 | 1.37 | 4.55 | 847.64 | 0.0 | 42.72 |
| 1.615 | 30.63 | 7.04 | 1.37 | 4.59 | 676.19 | 0.0 | 42.73 |
| 1.65 | 30.63 | 7.04 | 1.3 | 4.65 | 582.16 | 0.0 | 42.73 |
| 1.693 | 30.63 | 7.04 | 1.34 | 4.65 | 650.52 | 0.01 | 42.73 |
| 1.718 | 30.63 | 7.04 | 1.34 | 4.52 | 613.61 | 0.0 | 42.73 |
| 1.731 | 30.63 | 7.04 | 1.49 | 4.5 | 736.57 | 0.0 | 42.73 |
| 1.765 | 30.63 | 7.04 | 1.41 | 4.5 | 626.4 | 0.0 | 42.73 |
| 1.804 | 30.63 | 7.04 | 1.41 | 4.49 | 642.58 | 0.02 | 42.73 |
| 1.82 | 30.63 | 7.04 | 1.45 | 4.42 | 507.4 | 0.0 | 42.73 |
| 1.829 | 30.63 | 7.04 | 1.3 | 4.43 | 405.71 | 0.0 | 42.73 |
| 1.86 | 30.63 | 7.04 | 1.53 | 4.47 | 680.59 | 0.0 | 42.73 |
| 1.894 | 30.63 | 7.04 | 1.45 | 4.5 | 576.92 | 0.0 | 42.73 |
| 1.9 | 30.63 | 7.04 | 1.3 | 4.57 | 479.62 | 0.0 | 42.74 |
| 1.912 | 30.63 | 7.04 | 1.3 | 4.59 | 594.85 | 0.0 | 42.74 |
| 1.94 | 30.63 | 7.04 | 1.41 | 4.61 | 680.44 | 0.0 | 42.73 |
| 1.969 | 30.63 | 7.04 | 1.41 | 4.62 | 602.06 | 0.0 | 42.74 |
| 1.99 | 30.63 | 7.04 | 1.53 | 4.64 | 746.02 | 0.0 | 42.74 |
| 1.992 | 30.63 | 7.04 | 1.34 | 4.67 | 668.4 | 0.01 | 42.74 |
| 2.022 | 30.63 | 7.04 | 1.49 | 4.69 | 471.13 | 0.0 | 42.74 |
| 2.055 | 30.63 | 7.04 | 1.34 | 4.72 | 508.11 | 0.0 | 42.74 |
| 2.066 | 30.63 | 7.04 | 1.41 | 4.74 | 585.68 | 0.01 | 42.74 |
| 2.073 | 30.63 | 7.04 | 1.22 | 4.76 | 468.74 | 0.02 | 42.74 |
| 2.092 | 30.63 | 7.04 | 1.37 | 4.75 | 621.2 | 0.0 | 42.74 |
| 2.106 | 30.63 | 7.04 | 1.41 | 4.71 | 537.42 | 0.01 | 42.74 |
| 2.112 | 30.63 | 7.04 | 1.41 | 4.59 | 599.14 | 0.0 | 42.74 |
| 2.118 | 30.63 | 7.04 | 1.41 | 4.53 | 661.93 | 0.0 | 42.74 |
| 2.136 | 30.63 | 7.04 | 1.26 | 4.49 | 426.64 | 0.04 | 42.74 |
| 2.168 | 30.63 | 7.04 | 1.3 | 4.45 | 551.94 | 0.01 | 42.74 |
| 2.197 | 30.63 | 7.04 | 1.41 | 4.45 | 496.12 | 0.02 | 42.74 |
| 2.211 | 30.63 | 7.04 | 1.49 | 4.49 | 552.45 | 0.0 | 42.74 |
| 2.227 | 30.63 | 7.04 | 1.34 | 4.55 | 555.92 | 0.0 | 42.74 |
| 2.241 | 30.63 | 7.04 | 1.41 | 4.6 | 534.19 | 0.03 | 42.74 |
| 2.257 | 30.63 | 7.04 | 1.34 | 4.64 | 409.49 | 0.02 | 42.74 |
| 2.273 | 30.63 | 7.04 | 1.3 | 4.69 | 550.66 | 0.0 | 42.74 |
| 2.287 | 30.63 | 7.04 | 1.26 | 4.72 | 515.11 | 0.01 | 42.74 |
| 2.297 | 30.63 | 7.04 | 1.49 | 4.71 | 424.96 | 0.0 | 42.74 |
| 2.307 | 30.63 | 7.04 | 1.72 | 4.68 | 481.96 | 0.0 | 42.74 |
| 2.315 | 30.63 | 7.04 | 1.41 | 4.66 | 513.2 | 0.0 | 42.74 |
| 2.327 | 30.63 | 7.04 | 1.3 | 4.63 | 620.76 | 0.03 | 42.74 |
| 2.342 | 30.63 | 7.04 | 1.34 | 4.6 | 519.54 | 0.0 | 42.74 |
| 2.361 | 30.63 | 7.04 | 1.49 | 4.59 | 486.44 | 0.0 | 42.74 |
| 2.372 | 30.63 | 7.04 | 1.37 | 4.58 | 469.17 | 0.0 | 42.74 |
| 2.376 | 30.63 | 7.04 | 1.18 | 4.61 | 490.52 | 0.0 | 42.74 |
| 2.389 | 30.63 | 7.04 | 1.56 | 4.64 | 502.26 | 0.02 | 42.74 |
| 2.408 | 30.63 | 7.04 | 1.53 | 4.68 | 487.12 | 0.01 | 42.74 |
| 2.422 | 30.63 | 7.04 | 1.45 | 4.71 | 422.41 | 0.0 | 42.74 |
| 2.432 | 30.63 | 7.04 | 1.37 | 4.72 | 483.75 | 0.0 | 42.74 |
| 2.45 | 30.63 | 7.04 | 1.34 | 4.71 | 510.47 | 0.0 | 42.74 |
| 2.488 | 30.63 | 7.04 | 1.41 | 4.66 | 511.77 | 0.0 | 42.74 |
| 2.5 | 30.63 | 7.04 | 1.41 | 4.53 | 421.92 | 0.01 | 42.74 |
| 2.509 | 30.63 | 7.04 | 1.3 | 4.53 | 556.82 | 0.0 | 42.74 |
| 2.548 | 30.63 | 7.04 | 1.3 | 4.54 | 434.52 | 0.0 | 42.74 |

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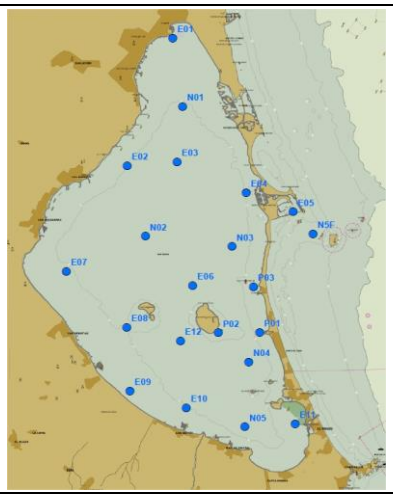
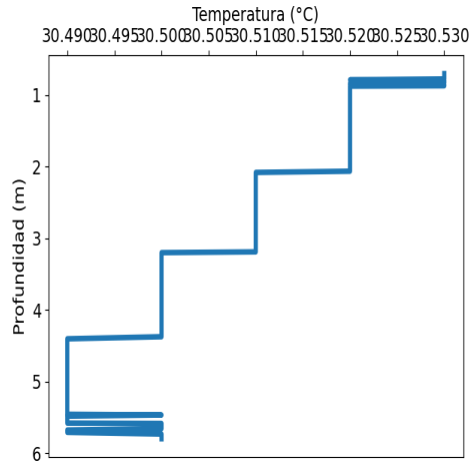
|---|---|---|---|---|---|---|---|
| 2.592 | 30.63 | 7.04 | 1.45 | 4.6 | 388.14 | 0.0 | 42.75 |
| 2.603 | 30.63 | 7.04 | 1.37 | 4.61 | 421.33 | 0.0 | 42.75 |
| 2.631 | 30.63 | 7.04 | 1.45 | 4.61 | 426.84 | 0.02 | 42.74 |
| 2.667 | 30.63 | 7.04 | 1.37 | 4.61 | 466.46 | 0.02 | 42.74 |
| 2.699 | 30.63 | 7.04 | 1.49 | 4.63 | 427.63 | 0.01 | 42.74 |
| 2.702 | 30.63 | 7.04 | 1.34 | 4.7 | 379.51 | 0.03 | 42.74 |
| 2.73 | 30.63 | 7.04 | 1.49 | 4.68 | 460.55 | 0.02 | 42.74 |
| 2.77 | 30.63 | 7.04 | 1.37 | 4.77 | 405.52 | 0.0 | 42.74 |
| 2.787 | 30.63 | 7.04 | 1.34 | 4.78 | 365.27 | 0.07 | 42.74 |
| 2.846 | 30.63 | 7.04 | 1.49 | 4.79 | 384.03 | 0.01 | 42.74 |
| 2.869 | 30.63 | 7.04 | 1.34 | 4.84 | 361.99 | 0.04 | 42.75 |
| 2.889 | 30.63 | 7.04 | 1.49 | 4.83 | 405.15 | 0.04 | 42.75 |
| 2.924 | 30.63 | 7.04 | 1.37 | 4.81 | 397.61 | 0.02 | 42.75 |
| 2.946 | 30.63 | 7.04 | 1.34 | 4.85 | 351.16 | 0.0 | 42.75 |
| 2.959 | 30.63 | 7.04 | 1.34 | 4.84 | 345.59 | 0.01 | 42.75 |
| 2.981 | 30.63 | 7.04 | 1.37 | 4.85 | 388.23 | 0.03 | 42.75 |
| 3.001 | 30.63 | 7.04 | 1.45 | 4.87 | 424.17 | 0.05 | 42.75 |
| 3.027 | 30.63 | 7.04 | 1.45 | 4.9 | 348.97 | 0.02 | 42.75 |
| 3.057 | 30.63 | 7.04 | 1.49 | 4.92 | 307.49 | 0.01 | 42.75 |
| 3.08 | 30.63 | 7.04 | 1.41 | 4.95 | 384.2 | 0.01 | 42.75 |
| 3.092 | 30.63 | 7.04 | 1.34 | 4.94 | 387.15 | 0.01 | 42.75 |
| 3.124 | 30.63 | 7.04 | 1.49 | 4.93 | 323.05 | 0.01 | 42.75 |
| 3.152 | 30.63 | 7.04 | 1.49 | 4.93 | 326.89 | 0.0 | 42.75 |
| 3.16 | 30.63 | 7.04 | 1.34 | 4.91 | 332.55 | 0.04 | 42.75 |
| 3.17 | 30.63 | 7.04 | 1.37 | 4.87 | 320.59 | 0.03 | 42.75 |
| 3.188 | 30.63 | 7.04 | 1.34 | 4.84 | 341.85 | 0.04 | 42.75 |
| 3.192 | 30.63 | 7.04 | 1.56 | 4.83 | 322.98 | 0.04 | 42.75 |
| 3.194 | 30.63 | 7.04 | 1.45 | 4.85 | 312.37 | 0.04 | 42.75 |
| 3.211 | 30.63 | 7.04 | 1.41 | 4.85 | 286.3 | 0.02 | 42.75 |
| 3.223 | 30.63 | 7.04 | 1.64 | 4.87 | 348.0 | 0.03 | 42.76 |
| 3.236 | 30.63 | 7.04 | 1.56 | 4.88 | 331.62 | 0.02 | 42.76 |
| 3.259 | 30.63 | 7.04 | 1.56 | 4.91 | 348.0 | 0.01 | 42.76 |
| 3.28 | 30.64 | 7.04 | 1.41 | 4.93 | 314.92 | 0.0 | 42.76 |
| 3.288 | 30.64 | 7.04 | 1.37 | 4.95 | 301.21 | 0.07 | 42.76 |
| 3.295 | 30.64 | 7.04 | 1.37 | 4.96 | 338.14 | 0.06 | 42.76 |
| 3.332 | 30.64 | 7.04 | 1.37 | 4.97 | 309.2 | 0.02 | 42.76 |
| 3.388 | 30.64 | 7.04 | 1.41 | 4.98 | 275.11 | 0.04 | 42.76 |
| 3.401 | 30.64 | 7.04 | 1.56 | 4.96 | 302.33 | 0.05 | 42.76 |
| 3.423 | 30.64 | 7.04 | 1.6 | 4.95 | 270.31 | 0.03 | 42.76 |
| 3.458 | 30.64 | 7.04 | 1.83 | 4.95 | 269.75 | 0.04 | 42.76 |
| 3.483 | 30.64 | 7.04 | 1.53 | 4.95 | 298.99 | 0.02 | 42.76 |
| 3.488 | 30.64 | 7.04 | 1.3 | 4.95 | 287.97 | 0.02 | 42.76 |
| 3.497 | 30.64 | 7.04 | 1.49 | 4.96 | 280.33 | 0.07 | 42.76 |
| 3.526 | 30.64 | 7.04 | 1.49 | 4.96 | 269.37 | 0.06 | 42.76 |
| 3.565 | 30.64 | 7.04 | 1.45 | 4.97 | 277.55 | 0.05 | 42.76 |
| 3.572 | 30.64 | 7.04 | 1.49 | 4.94 | 269.94 | 0.02 | 42.76 |
| 3.591 | 30.64 | 7.04 | 1.49 | 4.95 | 290.65 | 0.04 | 42.76 |
| 3.632 | 30.64 | 7.04 | 1.64 | 4.97 | 282.09 | 0.05 | 42.76 |
| 3.664 | 30.64 | 7.04 | 1.49 | 4.99 | 277.48 | 0.05 | 42.76 |
| 3.678 | 30.64 | 7.04 | 1.45 | 4.99 | 247.23 | 0.06 | 42.76 |
| 3.713 | 30.64 | 7.04 | 1.45 | 4.99 | 244.27 | 0.05 | 42.76 |
| 3.751 | 30.64 | 7.04 | 1.41 | 5.01 | 267.82 | 0.06 | 42.76 |
| 3.778 | 30.64 | 7.04 | 1.49 | 5.01 | 247.12 | 0.02 | 42.76 |
| 3.78 | 30.64 | 7.04 | 1.37 | 5.0 | 224.67 | 0.05 | 42.76 |
| 3.782 | 30.64 | 7.04 | 1.53 | 5.0 | 247.41 | 0.06 | 42.76 |
| 3.812 | 30.64 | 7.04 | 1.53 | 5.0 | 252.8 | 0.05 | 42.76 |
| 3.844 | 30.64 | 7.04 | 1.41 | 5.01 | 241.12 | 0.03 | 42.76 |
| 3.861 | 30.64 | 7.04 | 1.26 | 5.01 | 237.68 | 0.03 | 42.76 |

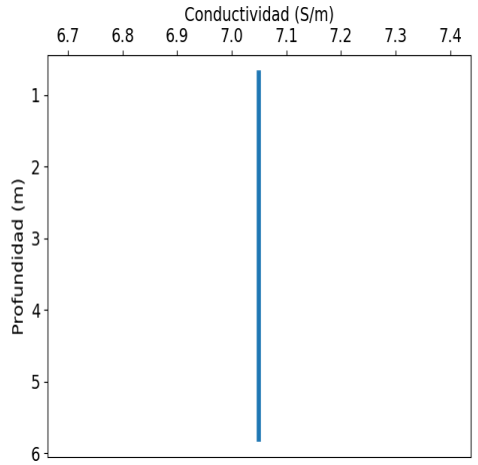
| 3.869 | 30.64 | 7.04 | 1.41 | 4.99 | 233.37 | 0.03 | 42.76 |
|---|---|---|---|---|---|---|---|
| 3.881 | 30.64 | 7.04 | 1.45 | 4.96 | 237.24 | 0.02 | 42.76 |
| 3.885 | 30.64 | 7.04 | 1.6 | 4.94 | 231.97 | 0.01 | 42.76 |
| 3.898 | 30.64 | 7.05 | 1.56 | 4.94 | 231.54 | 0.01 | 42.77 |
| 3.927 | 30.64 | 7.05 | 1.37 | 4.93 | 229.3 | 0.04 | 42.77 |
| 3.95 | 30.64 | 7.05 | 1.64 | 4.93 | 235.6 | 0.01 | 42.77 |
| 3.957 | 30.65 | 7.05 | 1.64 | 4.93 | 237.68 | 0.02 | 42.77 |
| 3.968 | 30.65 | 7.05 | 1.76 | 4.94 | 222.75 | 0.03 | 42.78 |
| 3.989 | 30.65 | 7.05 | 1.64 | 4.95 | 225.5 | 0.04 | 42.77 |
| 4.014 | 30.65 | 7.05 | 1.64 | 4.98 | 213.99 | 0.0 | 42.78 |
| 4.024 | 30.65 | 7.05 | 1.76 | 4.97 | 220.33 | 0.05 | 42.78 |
| 4.048 | 30.65 | 7.05 | 1.68 | 4.97 | 223.78 | 0.04 | 42.78 |
| 4.071 | 30.65 | 7.05 | 1.87 | 4.97 | 216.34 | 0.05 | 42.78 |
| 4.084 | 30.65 | 7.05 | 1.56 | 4.97 | 209.48 | 0.05 | 42.78 |
| 4.092 | 30.65 | 7.05 | 2.1 | 4.96 | 204.63 | 0.03 | 42.78 |
| 4.107 | 30.65 | 7.05 | 1.72 | 4.96 | 208.94 | 0.03 | 42.78 |
| 4.124 | 30.65 | 7.05 | 1.6 | 4.96 | 210.45 | 0.02 | 42.78 |
| 4.131 | 30.65 | 7.05 | 1.56 | 4.97 | 217.54 | 0.04 | 42.78 |
| 4.14 | 30.65 | 7.05 | 1.56 | 4.97 | 208.22 | 0.04 | 42.78 |
| 4.166 | 30.65 | 7.05 | 1.83 | 4.96 | 200.64 | 0.08 | 42.78 |
| 4.199 | 30.65 | 7.05 | 1.64 | 4.96 | 196.13 | 0.06 | 42.78 |
| 4.201 | 30.65 | 7.05 | 1.68 | 4.98 | 212.81 | 0.04 | 42.78 |
| 4.202 | 30.65 | 7.05 | 1.76 | 4.98 | 204.54 | 0.07 | 42.78 |
| 4.223 | 30.65 | 7.05 | 1.72 | 4.97 | 199.67 | 0.05 | 42.78 |
| 4.245 | 30.65 | 7.05 | 1.6 | 4.98 | 196.18 | 0.05 | 42.78 |
| 4.258 | 30.66 | 7.05 | 1.72 | 4.99 | 187.12 | 0.03 | 42.78 |
| 4.265 | 30.66 | 7.05 | 1.76 | 4.99 | 191.33 | 0.05 | 42.79 |
| 4.28 | 30.66 | 7.05 | 1.76 | 4.99 | 198.33 | 0.02 | 42.79 |
| 4.297 | 30.66 | 7.05 | 1.72 | 4.99 | 202.65 | 0.03 | 42.79 |
| 4.301 | 30.66 | 7.05 | 1.76 | 5.0 | 198.19 | 0.02 | 42.79 |
| 4.307 | 30.66 | 7.05 | 1.68 | 4.99 | 190.53 | 0.07 | 42.78 |
| 4.317 | 30.66 | 7.05 | 1.76 | 4.98 | 181.06 | 0.03 | 42.78 |
| 4.329 | 30.66 | 7.05 | 1.72 | 4.98 | 193.74 | 0.06 | 42.78 |
| 4.355 | 30.66 | 7.05 | 1.56 | 4.99 | 201.06 | 0.05 | 42.78 |
| 4.382 | 30.66 | 7.05 | 1.53 | 4.99 | 190.53 | 0.06 | 42.78 |
| 4.399 | 30.65 | 7.05 | 1.6 | 5.0 | 181.65 | 0.05 | 42.78 |
| 4.401 | 30.65 | 7.05 | 1.53 | 4.97 | 191.77 | 0.04 | 42.78 |
| 4.406 | 30.65 | 7.05 | 1.72 | 4.97 | 191.77 | 0.04 | 42.78 |
| 4.42 | 30.65 | 7.05 | 1.64 | 4.97 | 182.37 | 0.04 | 42.78 |
| 4.439 | 30.65 | 7.05 | 1.49 | 4.96 | 177.9 | 0.04 | 42.78 |
| 4.467 | 30.65 | 7.05 | 1.49 | 4.97 | 175.69 | 0.05 | 42.78 |
| 4.483 | 30.66 | 7.05 | 1.64 | 4.98 | 185.18 | 0.05 | 42.78 |
| 4.495 | 30.66 | 7.05 | 1.64 | 4.99 | 179.68 | 0.04 | 42.78 |
| 4.507 | 30.66 | 7.05 | 1.72 | 5.01 | 175.85 | 0.04 | 42.78 |
| 4.514 | 30.66 | 7.05 | 1.76 | 5.01 | 179.76 | 0.04 | 42.78 |
| 4.522 | 30.66 | 7.05 | 1.72 | 5.01 | 176.14 | 0.01 | 42.79 |
| 4.534 | 30.66 | 7.05 | 1.41 | 4.98 | 176.91 | 0.02 | 42.79 |
| 4.55 | 30.66 | 7.05 | 1.68 | 4.97 | 168.82 | 0.05 | 42.78 |
| 4.575 | 30.66 | 7.05 | 1.56 | 4.96 | 168.47 | 0.02 | 42.78 |
| 4.585 | 30.65 | 7.05 | 1.72 | 5.0 | 172.98 | 0.38 | 42.76 |
| 4.594 | 30.64 | 7.05 | 1.56 | 5.02 | 170.63 | 0.56 | 42.76 |
| 4.634 | 30.64 | 7.05 | 1.68 | 5.01 | 166.6 | 0.64 | 42.77 |
| 4.672 | 30.64 | 7.05 | 1.83 | 4.8 | 160.73 | 0.63 | 42.76 |
| 4.695 | 30.64 | 7.05 | 1.56 | 4.79 | 159.98 | 0.58 | 42.77 |
| 4.731 | 30.64 | 7.05 | 1.53 | 4.82 | 163.24 | 0.71 | 42.77 |
| 4.762 | 30.64 | 7.05 | 1.41 | 4.86 | 155.41 | 0.64 | 42.77 |
| 4.772 | 30.64 | 7.05 | 1.56 | 4.92 | 161.73 | 0.6 | 42.77 |
| 4.785 | 30.64 | 7.05 | 1.45 | 4.92 | 157.59 | 0.61 | 42.77 |

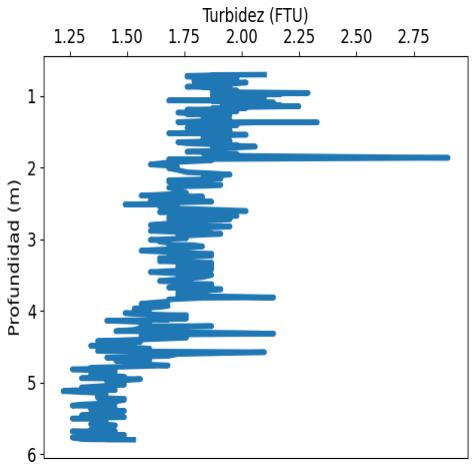
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.823 | 30.64 | 7.05 | 1.64 | 4.94 | 147.79 | 0.56 | 42.77 |
| 4.842 | 30.65 | 7.05 | 1.56 | 5.04 | 147.76 | 0.57 | 42.78 |
| 4.876 | 30.65 | 7.05 | 1.56 | 5.05 | 138.63 | 0.57 | 42.78 |
| 4.899 | 30.66 | 7.05 | 1.76 | 5.06 | 141.49 | 0.56 | 42.78 |
| 4.907 | 30.66 | 7.05 | 1.64 | 5.06 | 138.22 | 0.54 | 42.78 |
| 4.95 | 30.66 | 7.05 | 1.72 | 5.07 | 138.5 | 0.63 | 42.78 |
| 4.991 | 30.66 | 7.05 | 1.72 | 5.07 | 136.88 | 0.56 | 42.79 |
| 4.999 | 30.66 | 7.05 | 1.68 | 5.06 | 135.55 | 0.55 | 42.79 |
| 5.02 | 30.66 | 7.05 | 1.87 | 5.06 | 137.19 | 0.54 | 42.79 |
| 5.039 | 30.66 | 7.05 | 1.64 | 5.06 | 137.13 | 0.59 | 42.79 |
| 5.052 | 30.66 | 7.05 | 1.72 | 5.06 | 136.75 | 0.59 | 42.79 |
| 5.064 | 30.66 | 7.05 | 1.87 | 5.06 | 132.78 | 0.69 | 42.79 |
| 5.079 | 30.66 | 7.05 | 1.68 | 5.05 | 131.89 | 0.62 | 42.79 |
| 5.099 | 30.66 | 7.05 | 1.83 | 5.06 | 132.81 | 0.63 | 42.79 |
| 5.109 | 30.66 | 7.05 | 1.98 | 5.07 | 134.8 | 0.65 | 42.8 |
| 5.113 | 30.67 | 7.05 | 1.87 | 5.07 | 133.12 | 0.62 | 42.8 |
| 5.115 | 30.67 | 7.05 | 1.79 | 5.07 | 133.03 | 0.67 | 42.8 |
| 5.125 | 30.67 | 7.05 | 1.87 | 5.06 | 131.99 | 0.65 | 42.8 |
| 5.136 | 30.67 | 7.05 | 1.68 | 5.06 | 132.88 | 0.63 | 42.8 |
| 5.141 | 30.67 | 7.05 | 1.56 | 5.06 | 131.83 | 0.6 | 42.8 |
| 5.148 | 30.67 | 7.05 | 1.91 | 5.06 | 129.77 | 0.59 | 42.79 |
| 5.163 | 30.67 | 7.05 | 1.72 | 5.06 | 128.51 | 0.59 | 42.8 |
| 5.185 | 30.67 | 7.05 | 1.87 | 5.06 | 128.57 | 0.62 | 42.8 |
| 5.196 | 30.67 | 7.05 | 2.17 | 5.05 | 125.37 | 0.6 | 42.79 |
| 5.214 | 30.67 | 7.05 | 2.02 | 5.06 | 125.1 | 0.57 | 42.8 |
| 5.243 | 30.67 | 7.05 | 1.91 | 5.06 | 124.3 | 0.53 | 42.79 |
| 5.281 | 30.67 | 7.05 | 1.83 | 5.07 | 123.15 | 0.59 | 42.8 |
| 5.287 | 30.67 | 7.05 | 1.76 | 5.09 | 121.64 | 0.59 | 42.8 |
| 5.318 | 30.67 | 7.05 | 1.76 | 5.08 | 117.76 | 0.59 | 42.8 |
| 5.372 | 30.67 | 7.05 | 1.91 | 5.08 | 115.14 | 0.56 | 42.8 |
| 5.382 | 30.68 | 7.06 | 1.76 | 5.08 | 116.81 | 0.65 | 42.8 |
| 5.41 | 30.68 | 7.06 | 2.02 | 5.08 | 111.39 | 0.62 | 42.81 |
| 5.449 | 30.68 | 7.06 | 2.67 | 5.08 | 107.93 | 0.62 | 42.82 |
| 5.48 | 30.68 | 7.06 | 1.91 | 5.07 | 109.01 | 0.62 | 42.82 |
| 5.496 | 30.68 | 7.06 | 2.06 | 5.07 | 113.08 | 0.62 | 42.82 |
| 5.502 | 30.69 | 7.06 | 1.83 | 5.05 | 110.16 | 0.67 | 42.81 |
| 5.53 | 30.69 | 7.06 | 2.14 | 5.04 | 109.42 | 0.66 | 42.81 |
| 5.577 | 30.69 | 7.06 | 2.36 | 5.04 | 108.16 | 0.62 | 42.82 |
| 5.589 | 30.69 | 7.06 | 2.21 | 5.03 | 108.48 | 0.6 | 42.82 |
| 5.601 | 30.69 | 7.06 | 2.25 | 5.03 | 107.41 | 0.55 | 42.82 |
| 5.631 | 30.69 | 7.06 | 2.4 | 5.02 | 105.29 | 0.58 | 42.82 |
| 5.661 | 30.69 | 7.06 | 2.25 | 5.02 | 104.37 | 0.61 | 42.82 |
| 5.676 | 30.69 | 7.06 | 2.33 | 5.02 | 103.88 | 0.61 | 42.83 |
| 5.686 | 30.7 | 7.06 | 2.21 | 5.02 | 104.75 | 0.59 | 42.83 |
| 5.692 | 30.7 | 7.06 | 2.71 | 5.01 | 102.4 | 0.54 | 42.82 |
| 5.716 | 30.69 | 7.06 | 2.4 | 5.0 | 100.45 | 0.59 | 42.82 |
| 5.781 | 30.69 | 7.06 | 2.67 | 5.01 | 100.66 | 0.59 | 42.82 |
| 5.788 | 30.69 | 7.06 | 2.4 | 5.03 | 98.44 | 0.5 | 42.82 |
| 5.793 | 30.69 | 7.06 | 2.44 | 5.03 | 99.06 | 0.52 | 42.82 |
| 5.819 | 30.69 | 7.06 | 2.4 | 5.03 | 97.42 | 0.5 | 42.82 |
| 5.849 | 30.69 | 7.06 | 2.48 | 5.03 | 95.59 | 0.6 | 42.81 |
| 5.887 | 30.69 | 7.06 | 2.71 | 5.02 | 91.79 | 0.57 | 42.82 |
| 6.004 | 30.69 | 7.06 | 2.9 | 5.03 | 86.14 | 0.5 | 42.82 |
| 6.032 | 30.7 | 7.06 | 3.05 | 5.04 | 88.24 | 0.52 | 42.82 |
| 6.038 | 30.7 | 7.06 | 3.05 | 5.04 | 85.48 | 0.52 | 42.82 |
| 6.102 | 30.7 | 7.06 | 2.9 | 5.01 | 85.37 | 0.5 | 42.83 |
| 6.116 | 30.7 | 7.06 | 2.98 | 5.0 | 84.05 | 0.44 | 42.83 |

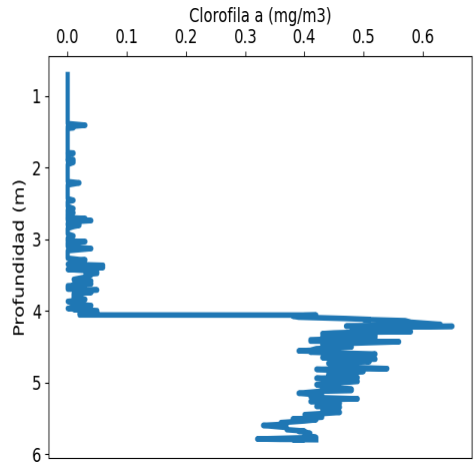
**Nombre: CTD E12 - Punto 012** **Fecha: 08/08/2022** **Hora: 09:08:52**

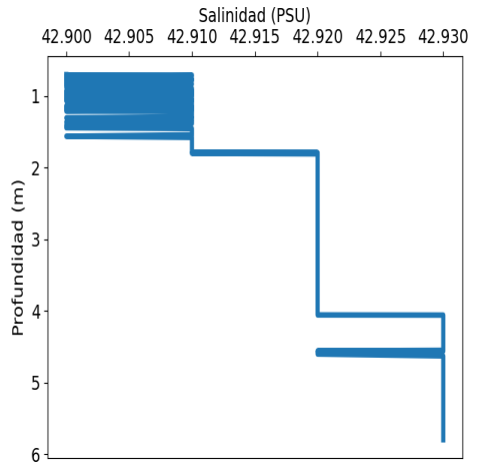


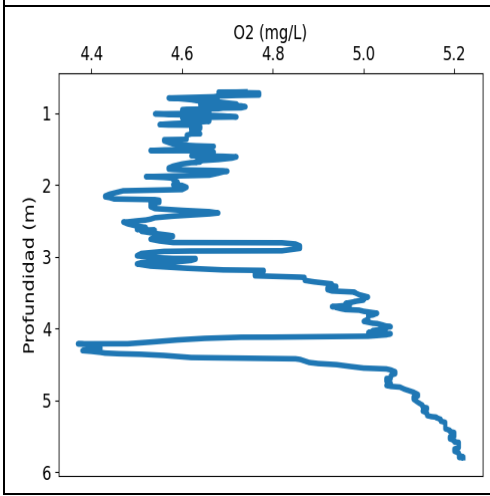



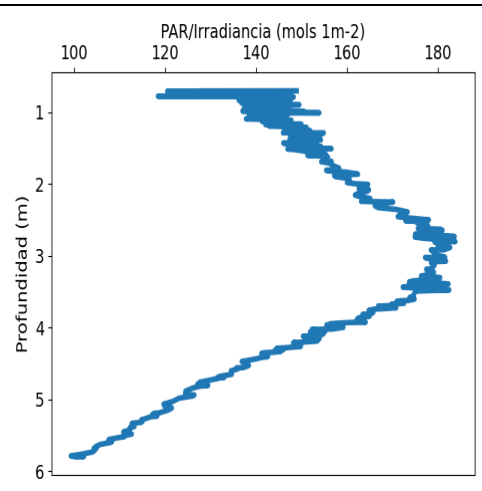




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.49 | 7.05 | 1.22 | 4.37 | 99.18 | 0.0 | 42.9 |
| **PROF (metros)** | 4.404 | 0.702 | 5.121 | 4.213 | 5.789 | 0.702 | 0.702 |
| **MÁXIMO** | 30.53 | 30.53 | 2.9 | 5.22 | 183.89 | 0.65 | 42.93 |
| **PROF (metros)** | 0.702 | 0.702 | 1.863 | 5.789 | 2.802 | 4.215 | 4.059 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E12 - Punto 012 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.52 | 7.05 | 1.92 | 4.67 | 140.75 | 0.0 | 42.9 |
| 1 - 2m | 30.52 | 7.05 | 1.91 | 4.62 | 150.79 | 0.0 | 42.91 |
| 2 - 3m | 30.51 | 7.05 | 1.77 | 4.57 | 173.12 | 0.0 | 42.92 |
| 3 - 4m | 30.5 | 7.05 | 1.74 | 4.89 | 172.47 | 0.02 | 42.92 |
| 4 - 5m | 30.49 | 7.05 | 1.57 | 4.85 | 140.74 | 0.44 | 42.93 |
| 5 - 6m | 30.49 | 7.05 | 1.38 | 5.18 | 111.58 | 0.41 | 42.93 |

| 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) |
| 0.702 | 30.53 | 7.05 | 2.1 | 4.74 | 148.96 | 0.0 | 42.9 |
| 0.705 | 30.53 | 7.05 | 1.91 | 4.72 | 127.42 | 0.0 | 42.9 |
| 0.706 | 30.53 | 7.05 | 1.87 | 4.68 | 139.37 | 0.0 | 42.9 |
| 0.708 | 30.53 | 7.05 | 1.91 | 4.68 | 120.41 | 0.0 | 42.91 |
| 0.718 | 30.53 | 7.05 | 1.76 | 4.77 | 132.97 | 0.0 | 42.91 |
| 0.73 | 30.53 | 7.05 | 1.76 | 4.77 | 137.77 | 0.0 | 42.9 |
| 0.747 | 30.53 | 7.05 | 1.87 | 4.77 | 147.69 | 0.0 | 42.9 |
| 0.752 | 30.53 | 7.05 | 1.98 | 4.72 | 136.81 | 0.0 | 42.9 |
| 0.76 | 30.53 | 7.05 | 1.83 | 4.68 | 131.47 | 0.0 | 42.91 |
| 0.771 | 30.53 | 7.05 | 1.83 | 4.67 | 143.27 | 0.0 | 42.9 |
| 0.776 | 30.53 | 7.05 | 1.83 | 4.64 | 118.36 | 0.0 | 42.91 |
| 0.788 | 30.52 | 7.05 | 1.79 | 4.57 | 148.31 | 0.0 | 42.91 |
| 0.795 | 30.53 | 7.05 | 1.79 | 4.59 | 145.24 | 0.0 | 42.9 |
| 0.812 | 30.53 | 7.05 | 2.02 | 4.62 | 145.92 | 0.0 | 42.9 |
| 0.833 | 30.53 | 7.05 | 1.95 | 4.64 | 147.62 | 0.0 | 42.9 |
| 0.834 | 30.52 | 7.05 | 1.87 | 4.68 | 136.15 | 0.0 | 42.91 |
| 0.843 | 30.52 | 7.05 | 1.95 | 4.68 | 139.79 | 0.0 | 42.9 |
| 0.858 | 30.53 | 7.05 | 1.83 | 4.7 | 141.49 | 0.0 | 42.9 |
| 0.871 | 30.53 | 7.05 | 1.76 | 4.72 | 136.75 | 0.0 | 42.9 |
| 0.876 | 30.52 | 7.05 | 1.87 | 4.72 | 147.11 | 0.0 | 42.9 |
| 0.879 | 30.52 | 7.05 | 1.83 | 4.64 | 139.02 | 0.0 | 42.9 |
| 0.893 | 30.52 | 7.05 | 1.95 | 4.64 | 147.21 | 0.0 | 42.91 |
| 0.897 | 30.52 | 7.05 | 1.95 | 4.73 | 149.55 | 0.0 | 42.91 |
| 0.91 | 30.52 | 7.05 | 1.87 | 4.74 | 145.34 | 0.0 | 42.91 |
| 0.925 | 30.52 | 7.05 | 1.98 | 4.73 | 147.14 | 0.0 | 42.9 |
| 0.928 | 30.52 | 7.05 | 1.95 | 4.69 | 141.65 | 0.0 | 42.91 |
| 0.937 | 30.52 | 7.05 | 1.91 | 4.68 | 143.2 | 0.0 | 42.91 |
| 0.942 | 30.52 | 7.05 | 1.87 | 4.65 | 140.12 | 0.0 | 42.91 |
| 0.944 | 30.52 | 7.05 | 1.87 | 4.63 | 143.24 | 0.0 | 42.9 |
| 0.945 | 30.52 | 7.05 | 1.91 | 4.61 | 147.38 | 0.0 | 42.9 |
| 0.95 | 30.52 | 7.05 | 2.06 | 4.6 | 137.26 | 0.0 | 42.91 |
| 0.957 | 30.52 | 7.05 | 2.29 | 4.6 | 141.62 | 0.0 | 42.9 |
| 0.963 | 30.52 | 7.05 | 2.1 | 4.61 | 143.8 | 0.0 | 42.9 |
| 0.967 | 30.52 | 7.05 | 2.1 | 4.63 | 138.83 | 0.0 | 42.9 |
| 0.972 | 30.52 | 7.05 | 1.91 | 4.64 | 144.24 | 0.0 | 42.91 |
| 0.977 | 30.52 | 7.05 | 2.17 | 4.66 | 138.92 | 0.0 | 42.9 |

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|---|---|---|---|---|---|---|---|
| 0.984 | 30.52 | 7.05 | 2.06 | 4.65 | 136.97 | 0.0 | 42.91 |
| 0.987 | 30.52 | 7.05 | 1.87 | 4.65 | 140.09 | 0.0 | 42.91 |
| 0.99 | 30.52 | 7.05 | 1.91 | 4.64 | 150.63 | 0.0 | 42.91 |
| 1.002 | 30.52 | 7.05 | 1.91 | 4.64 | 145.04 | 0.0 | 42.9 |
| 1.009 | 30.52 | 7.05 | 1.98 | 4.54 | 153.94 | 0.0 | 42.9 |
| 1.014 | 30.52 | 7.05 | 1.95 | 4.56 | 138.7 | 0.0 | 42.9 |
| 1.019 | 30.52 | 7.05 | 1.98 | 4.57 | 138.34 | 0.0 | 42.9 |
| 1.022 | 30.52 | 7.05 | 2.1 | 4.6 | 144.94 | 0.0 | 42.9 |
| 1.025 | 30.52 | 7.05 | 1.98 | 4.62 | 144.07 | 0.0 | 42.91 |
| 1.032 | 30.52 | 7.05 | 2.06 | 4.67 | 147.07 | 0.0 | 42.9 |
| 1.037 | 30.52 | 7.05 | 1.87 | 4.69 | 146.12 | 0.0 | 42.9 |
| 1.052 | 30.52 | 7.05 | 2.02 | 4.72 | 143.14 | 0.0 | 42.9 |
| 1.056 | 30.52 | 7.05 | 1.87 | 4.67 | 143.37 | 0.0 | 42.91 |
| 1.063 | 30.52 | 7.05 | 1.68 | 4.63 | 144.47 | 0.0 | 42.9 |
| 1.068 | 30.52 | 7.05 | 2.02 | 4.6 | 140.93 | 0.0 | 42.9 |
| 1.07 | 30.52 | 7.05 | 1.87 | 4.6 | 138.92 | 0.0 | 42.91 |
| 1.08 | 30.52 | 7.05 | 2.02 | 4.61 | 141.59 | 0.0 | 42.91 |
| 1.092 | 30.52 | 7.05 | 2.14 | 4.66 | 137.74 | 0.0 | 42.91 |
| 1.094 | 30.52 | 7.05 | 1.91 | 4.65 | 138.5 | 0.0 | 42.91 |
| 1.112 | 30.52 | 7.05 | 1.98 | 4.66 | 147.79 | 0.0 | 42.91 |
| 1.13 | 30.52 | 7.05 | 2.17 | 4.62 | 141.29 | 0.0 | 42.91 |
| 1.136 | 30.52 | 7.05 | 2.1 | 4.61 | 147.21 | 0.0 | 42.9 |
| 1.144 | 30.52 | 7.05 | 2.25 | 4.58 | 147.52 | 0.0 | 42.9 |
| 1.152 | 30.52 | 7.05 | 2.06 | 4.56 | 146.94 | 0.0 | 42.91 |
| 1.159 | 30.52 | 7.05 | 1.91 | 4.55 | 143.97 | 0.0 | 42.91 |
| 1.164 | 30.52 | 7.05 | 1.91 | 4.57 | 142.71 | 0.0 | 42.9 |
| 1.166 | 30.52 | 7.05 | 1.95 | 4.6 | 150.0 | 0.0 | 42.91 |
| 1.167 | 30.52 | 7.05 | 2.02 | 4.63 | 143.01 | 0.0 | 42.91 |
| 1.172 | 30.52 | 7.05 | 1.87 | 4.63 | 142.01 | 0.0 | 42.9 |
| 1.177 | 30.52 | 7.05 | 1.91 | 4.63 | 144.07 | 0.0 | 42.9 |
| 1.182 | 30.52 | 7.05 | 1.87 | 4.64 | 148.82 | 0.0 | 42.91 |
| 1.183 | 30.52 | 7.05 | 1.91 | 4.63 | 146.53 | 0.0 | 42.9 |
| 1.191 | 30.52 | 7.05 | 1.76 | 4.62 | 142.77 | 0.0 | 42.91 |
| 1.204 | 30.52 | 7.05 | 1.87 | 4.62 | 147.24 | 0.0 | 42.9 |
| 1.211 | 30.52 | 7.05 | 1.95 | 4.64 | 150.66 | 0.0 | 42.9 |
| 1.214 | 30.52 | 7.05 | 1.98 | 4.64 | 151.15 | 0.0 | 42.91 |
| 1.221 | 30.52 | 7.05 | 1.83 | 4.63 | 146.02 | 0.0 | 42.91 |
| 1.232 | 30.52 | 7.05 | 1.72 | 4.62 | 146.36 | 0.0 | 42.91 |
| 1.249 | 30.52 | 7.05 | 1.79 | 4.62 | 147.04 | 0.0 | 42.91 |
| 1.254 | 30.52 | 7.05 | 1.76 | 4.62 | 151.89 | 0.0 | 42.91 |
| 1.267 | 30.52 | 7.05 | 1.95 | 4.62 | 151.99 | 0.0 | 42.91 |
| 1.287 | 30.52 | 7.05 | 1.87 | 4.64 | 145.88 | 0.0 | 42.91 |
| 1.288 | 30.52 | 7.05 | 1.83 | 4.62 | 154.91 | 0.0 | 42.91 |
| 1.306 | 30.52 | 7.05 | 1.87 | 4.61 | 154.3 | 0.0 | 42.9 |
| 1.312 | 30.52 | 7.05 | 1.83 | 4.61 | 150.07 | 0.0 | 42.91 |
| 1.334 | 30.52 | 7.05 | 1.95 | 4.61 | 151.43 | 0.0 | 42.91 |
| 1.364 | 30.52 | 7.05 | 1.72 | 4.61 | 147.35 | 0.0 | 42.9 |
| 1.367 | 30.52 | 7.05 | 2.33 | 4.58 | 152.38 | 0.0 | 42.91 |
| 1.369 | 30.52 | 7.05 | 2.06 | 4.56 | 153.37 | 0.0 | 42.91 |
| 1.385 | 30.52 | 7.05 | 1.91 | 4.56 | 154.3 | 0.0 | 42.91 |
| 1.408 | 30.52 | 7.05 | 1.98 | 4.57 | 150.35 | 0.03 | 42.9 |
| 1.429 | 30.52 | 7.05 | 1.79 | 4.58 | 145.95 | 0.0 | 42.9 |
| 1.443 | 30.52 | 7.05 | 1.76 | 4.6 | 146.87 | 0.01 | 42.9 |
| 1.454 | 30.52 | 7.05 | 1.91 | 4.63 | 153.55 | 0.0 | 42.91 |
| 1.462 | 30.52 | 7.05 | 1.87 | 4.67 | 150.31 | 0.0 | 42.91 |
| 1.476 | 30.52 | 7.05 | 1.95 | 4.66 | 154.3 | 0.0 | 42.91 |
| 1.502 | 30.52 | 7.05 | 1.87 | 4.66 | 150.98 | 0.0 | 42.91 |
| 1.505 | 30.52 | 7.05 | 1.95 | 4.65 | 153.94 | 0.0 | 42.91 |

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|---|---|---|---|---|---|---|---|
| 1.509 | 30.52 | 7.05 | 1.79 | 4.62 | 156.64 | 0.0 | 42.91 |
| 1.512 | 30.52 | 7.05 | 1.79 | 4.56 | 146.87 | 0.0 | 42.91 |
| 1.52 | 30.52 | 7.05 | 1.68 | 4.53 | 149.44 | 0.0 | 42.91 |
| 1.525 | 30.52 | 7.05 | 1.87 | 4.66 | 148.82 | 0.0 | 42.91 |
| 1.541 | 30.52 | 7.05 | 2.02 | 4.67 | 150.56 | 0.0 | 42.91 |
| 1.562 | 30.52 | 7.05 | 1.83 | 4.66 | 153.45 | 0.0 | 42.9 |
| 1.578 | 30.52 | 7.05 | 1.83 | 4.65 | 154.05 | 0.0 | 42.91 |
| 1.593 | 30.52 | 7.05 | 1.91 | 4.62 | 155.45 | 0.0 | 42.91 |
| 1.6 | 30.52 | 7.05 | 1.83 | 4.69 | 151.26 | 0.0 | 42.91 |
| 1.608 | 30.52 | 7.05 | 1.87 | 4.72 | 153.94 | 0.0 | 42.91 |
| 1.625 | 30.52 | 7.05 | 1.95 | 4.71 | 155.85 | 0.0 | 42.91 |
| 1.645 | 30.52 | 7.05 | 1.72 | 4.68 | 155.41 | 0.0 | 42.91 |
| 1.661 | 30.52 | 7.05 | 1.76 | 4.64 | 155.77 | 0.0 | 42.91 |
| 1.674 | 30.52 | 7.05 | 1.87 | 4.63 | 155.67 | 0.0 | 42.91 |
| 1.679 | 30.52 | 7.05 | 1.91 | 4.64 | 155.09 | 0.0 | 42.91 |
| 1.685 | 30.52 | 7.05 | 1.98 | 4.63 | 156.64 | 0.0 | 42.91 |
| 1.687 | 30.52 | 7.05 | 1.98 | 4.63 | 154.87 | 0.0 | 42.91 |
| 1.689 | 30.52 | 7.05 | 1.95 | 4.62 | 154.3 | 0.0 | 42.91 |
| 1.707 | 30.52 | 7.05 | 2.06 | 4.6 | 156.03 | 0.0 | 42.91 |
| 1.737 | 30.52 | 7.05 | 1.87 | 4.58 | 156.83 | 0.0 | 42.91 |
| 1.763 | 30.52 | 7.05 | 1.91 | 4.57 | 157.63 | 0.0 | 42.91 |
| 1.778 | 30.52 | 7.05 | 1.76 | 4.57 | 158.29 | 0.0 | 42.91 |
| 1.784 | 30.52 | 7.05 | 1.87 | 4.58 | 158.1 | 0.0 | 42.91 |
| 1.791 | 30.52 | 7.05 | 1.91 | 4.61 | 157.88 | 0.0 | 42.92 |
| 1.796 | 30.52 | 7.05 | 1.91 | 4.66 | 158.29 | 0.01 | 42.91 |
| 1.801 | 30.52 | 7.05 | 1.83 | 4.69 | 157.15 | 0.01 | 42.91 |
| 1.808 | 30.52 | 7.05 | 1.98 | 4.7 | 155.38 | 0.0 | 42.92 |
| 1.818 | 30.52 | 7.05 | 1.87 | 4.69 | 156.03 | 0.0 | 42.92 |
| 1.835 | 30.52 | 7.05 | 1.98 | 4.68 | 159.87 | 0.0 | 42.92 |
| 1.863 | 30.52 | 7.05 | 2.9 | 4.66 | 162.45 | 0.0 | 42.92 |
| 1.882 | 30.52 | 7.05 | 1.72 | 4.54 | 157.15 | 0.0 | 42.92 |
| 1.884 | 30.52 | 7.05 | 1.68 | 4.52 | 158.51 | 0.0 | 42.92 |
| 1.889 | 30.52 | 7.05 | 1.76 | 4.54 | 157.7 | 0.01 | 42.92 |
| 1.895 | 30.52 | 7.05 | 1.87 | 4.56 | 157.41 | 0.0 | 42.92 |
| 1.905 | 30.52 | 7.05 | 1.83 | 4.58 | 158.4 | 0.0 | 42.92 |
| 1.927 | 30.52 | 7.05 | 1.68 | 4.58 | 160.54 | 0.01 | 42.92 |
| 1.957 | 30.52 | 7.05 | 1.6 | 4.59 | 160.65 | 0.0 | 42.92 |
| 1.98 | 30.52 | 7.05 | 1.72 | 4.59 | 159.98 | 0.0 | 42.92 |
| 1.996 | 30.52 | 7.05 | 1.72 | 4.58 | 161.73 | 0.0 | 42.92 |
| 2.006 | 30.52 | 7.05 | 1.68 | 4.6 | 164.69 | 0.0 | 42.92 |
| 2.032 | 30.52 | 7.05 | 1.72 | 4.61 | 163.81 | 0.0 | 42.92 |
| 2.064 | 30.52 | 7.05 | 1.76 | 4.6 | 162.56 | 0.0 | 42.92 |
| 2.081 | 30.51 | 7.05 | 1.87 | 4.47 | 164.88 | 0.0 | 42.92 |
| 2.097 | 30.51 | 7.05 | 1.95 | 4.46 | 164.61 | 0.0 | 42.92 |
| 2.128 | 30.51 | 7.05 | 1.83 | 4.44 | 162.6 | 0.0 | 42.92 |
| 2.154 | 30.51 | 7.05 | 1.91 | 4.43 | 161.73 | 0.0 | 42.92 |
| 2.165 | 30.51 | 7.05 | 1.83 | 4.43 | 162.22 | 0.0 | 42.92 |
| 2.176 | 30.51 | 7.05 | 1.68 | 4.44 | 162.9 | 0.0 | 42.92 |
| 2.195 | 30.51 | 7.05 | 1.68 | 4.45 | 164.65 | 0.0 | 42.92 |
| 2.204 | 30.51 | 7.05 | 1.72 | 4.54 | 165.18 | 0.01 | 42.92 |
| 2.213 | 30.51 | 7.05 | 1.72 | 4.55 | 163.39 | 0.02 | 42.92 |
| 2.242 | 30.51 | 7.05 | 1.91 | 4.55 | 163.09 | 0.0 | 42.92 |
| 2.252 | 30.51 | 7.05 | 1.87 | 4.54 | 170.2 | 0.0 | 42.92 |
| 2.26 | 30.51 | 7.05 | 1.76 | 4.53 | 169.17 | 0.0 | 42.92 |
| 2.279 | 30.51 | 7.05 | 1.68 | 4.54 | 167.77 | 0.0 | 42.92 |
| 2.302 | 30.51 | 7.05 | 1.72 | 4.53 | 166.1 | 0.0 | 42.92 |
| 2.329 | 30.51 | 7.05 | 1.72 | 4.54 | 166.84 | 0.0 | 42.92 |
| 2.353 | 30.51 | 7.05 | 1.76 | 4.6 | 170.75 | 0.0 | 42.92 |

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|---|---|---|---|---|---|---|---|
| 2.372 | 30.51 | 7.05 | 1.68 | 4.66 | 172.1 | 0.0 | 42.92 |
| 2.39 | 30.51 | 7.05 | 1.56 | 4.68 | 173.38 | 0.0 | 42.92 |
| 2.403 | 30.51 | 7.05 | 1.83 | 4.66 | 172.98 | 0.0 | 42.92 |
| 2.415 | 30.51 | 7.05 | 1.79 | 4.63 | 171.78 | 0.0 | 42.92 |
| 2.434 | 30.51 | 7.05 | 1.83 | 4.58 | 171.54 | 0.0 | 42.92 |
| 2.456 | 30.51 | 7.05 | 1.6 | 4.54 | 171.15 | 0.01 | 42.92 |
| 2.476 | 30.51 | 7.05 | 1.87 | 4.53 | 174.11 | 0.0 | 42.92 |
| 2.488 | 30.51 | 7.05 | 1.68 | 4.52 | 176.18 | 0.0 | 42.92 |
| 2.5 | 30.51 | 7.05 | 1.68 | 4.5 | 178.06 | 0.0 | 42.92 |
| 2.514 | 30.51 | 7.05 | 1.49 | 4.48 | 172.86 | 0.0 | 42.92 |
| 2.516 | 30.51 | 7.05 | 1.72 | 4.47 | 174.83 | 0.0 | 42.92 |
| 2.542 | 30.51 | 7.05 | 1.64 | 4.48 | 175.48 | 0.0 | 42.92 |
| 2.572 | 30.51 | 7.05 | 1.72 | 4.5 | 177.78 | 0.01 | 42.92 |
| 2.591 | 30.51 | 7.05 | 1.91 | 4.52 | 177.9 | 0.0 | 42.92 |
| 2.606 | 30.51 | 7.05 | 2.02 | 4.51 | 176.26 | 0.0 | 42.92 |
| 2.62 | 30.51 | 7.05 | 1.64 | 4.5 | 175.56 | 0.0 | 42.92 |
| 2.63 | 30.51 | 7.05 | 1.83 | 4.54 | 180.56 | 0.01 | 42.92 |
| 2.645 | 30.51 | 7.05 | 1.95 | 4.51 | 181.06 | 0.0 | 42.92 |
| 2.675 | 30.51 | 7.05 | 1.98 | 4.54 | 179.6 | 0.0 | 42.92 |
| 2.699 | 30.51 | 7.05 | 1.68 | 4.57 | 174.96 | 0.0 | 42.92 |
| 2.71 | 30.51 | 7.05 | 1.72 | 4.58 | 175.32 | 0.03 | 42.92 |
| 2.718 | 30.51 | 7.05 | 1.95 | 4.58 | 181.14 | 0.0 | 42.92 |
| 2.732 | 30.51 | 7.05 | 1.91 | 4.56 | 183.72 | 0.0 | 42.92 |
| 2.739 | 30.51 | 7.05 | 1.72 | 4.54 | 174.91 | 0.04 | 42.92 |
| 2.755 | 30.51 | 7.05 | 1.68 | 4.53 | 176.67 | 0.01 | 42.92 |
| 2.78 | 30.51 | 7.05 | 1.68 | 4.55 | 181.86 | 0.0 | 42.92 |
| 2.802 | 30.51 | 7.05 | 1.6 | 4.58 | 183.89 | 0.0 | 42.92 |
| 2.805 | 30.51 | 7.05 | 1.76 | 4.82 | 179.22 | 0.02 | 42.92 |
| 2.822 | 30.51 | 7.05 | 1.95 | 4.85 | 179.89 | 0.01 | 42.92 |
| 2.849 | 30.51 | 7.05 | 1.79 | 4.86 | 179.89 | 0.0 | 42.92 |
| 2.883 | 30.51 | 7.05 | 1.6 | 4.86 | 182.75 | 0.0 | 42.92 |
| 2.917 | 30.51 | 7.05 | 1.87 | 4.82 | 181.4 | 0.0 | 42.92 |
| 2.92 | 30.51 | 7.05 | 1.79 | 4.62 | 178.44 | 0.0 | 42.92 |
| 2.925 | 30.51 | 7.05 | 1.91 | 4.56 | 178.73 | 0.0 | 42.92 |
| 2.954 | 30.51 | 7.05 | 1.72 | 4.51 | 179.02 | 0.01 | 42.92 |
| 2.986 | 30.51 | 7.05 | 1.76 | 4.5 | 179.27 | 0.0 | 42.92 |
| 3.009 | 30.51 | 7.05 | 1.6 | 4.53 | 181.02 | 0.0 | 42.92 |
| 3.023 | 30.51 | 7.05 | 1.68 | 4.58 | 181.65 | 0.0 | 42.92 |
| 3.024 | 30.51 | 7.05 | 1.64 | 4.63 | 177.16 | 0.0 | 42.92 |
| 3.032 | 30.51 | 7.05 | 1.64 | 4.63 | 177.61 | 0.03 | 42.92 |
| 3.051 | 30.51 | 7.05 | 1.68 | 4.62 | 178.85 | 0.0 | 42.92 |
| 3.076 | 30.51 | 7.05 | 1.68 | 4.58 | 181.82 | 0.0 | 42.92 |
| 3.082 | 30.51 | 7.05 | 1.79 | 4.51 | 179.22 | 0.0 | 42.92 |
| 3.1 | 30.51 | 7.05 | 1.83 | 4.5 | 178.48 | 0.0 | 42.92 |
| 3.13 | 30.51 | 7.05 | 1.72 | 4.53 | 179.31 | 0.04 | 42.92 |
| 3.16 | 30.51 | 7.05 | 1.56 | 4.61 | 178.93 | 0.0 | 42.92 |
| 3.183 | 30.51 | 7.05 | 1.72 | 4.69 | 178.64 | 0.0 | 42.92 |
| 3.19 | 30.51 | 7.05 | 1.68 | 4.78 | 177.41 | 0.0 | 42.92 |
| 3.201 | 30.5 | 7.05 | 1.87 | 4.78 | 178.52 | 0.0 | 42.92 |
| 3.23 | 30.5 | 7.05 | 1.87 | 4.76 | 179.18 | 0.0 | 42.92 |
| 3.265 | 30.5 | 7.05 | 1.64 | 4.76 | 177.69 | 0.0 | 42.92 |
| 3.284 | 30.5 | 7.05 | 1.72 | 4.86 | 176.26 | 0.02 | 42.92 |
| 3.288 | 30.5 | 7.05 | 1.68 | 4.87 | 178.35 | 0.03 | 42.92 |
| 3.306 | 30.5 | 7.05 | 1.64 | 4.87 | 180.56 | 0.01 | 42.92 |
| 3.329 | 30.5 | 7.05 | 1.87 | 4.87 | 178.52 | 0.01 | 42.92 |
| 3.349 | 30.5 | 7.05 | 1.83 | 4.89 | 174.79 | 0.0 | 42.92 |
| 3.364 | 30.5 | 7.05 | 1.72 | 4.91 | 173.66 | 0.06 | 42.92 |
| 3.378 | 30.5 | 7.05 | 1.87 | 4.93 | 179.6 | 0.01 | 42.92 |

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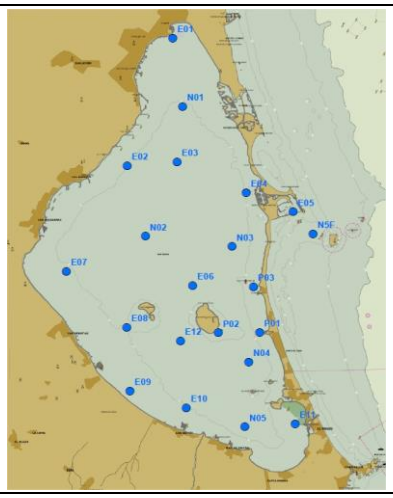
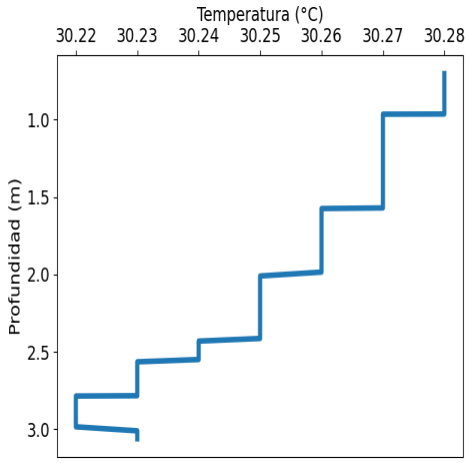
| 3.394 | 30.5 | 7.05 | 1.87 | 4.93 | 182.37 | 0.06 | 42.92 |
| 3.407 | 30.5 | 7.05 | 1.72 | 4.93 | 179.39 | 0.04 | 42.92 |
| 3.412 | 30.5 | 7.05 | 1.83 | 4.94 | 176.5 | 0.03 | 42.92 |
| 3.421 | 30.5 | 7.05 | 1.87 | 4.94 | 173.94 | 0.0 | 42.92 |
| 3.437 | 30.5 | 7.05 | 1.72 | 4.92 | 172.26 | 0.03 | 42.92 |
| 3.458 | 30.5 | 7.05 | 1.6 | 4.92 | 176.95 | 0.05 | 42.92 |
| 3.477 | 30.5 | 7.05 | 1.72 | 4.93 | 182.54 | 0.05 | 42.92 |
| 3.492 | 30.5 | 7.05 | 1.72 | 4.98 | 175.16 | 0.03 | 42.92 |
| 3.498 | 30.5 | 7.05 | 1.87 | 4.98 | 175.16 | 0.04 | 42.92 |
| 3.528 | 30.5 | 7.05 | 1.83 | 4.99 | 174.75 | 0.03 | 42.92 |
| 3.561 | 30.5 | 7.05 | 1.72 | 5.01 | 174.71 | 0.01 | 42.92 |
| 3.583 | 30.5 | 7.05 | 1.64 | 5.0 | 173.74 | 0.04 | 42.92 |
| 3.604 | 30.5 | 7.05 | 1.76 | 5.0 | 174.91 | 0.03 | 42.92 |
| 3.623 | 30.5 | 7.05 | 1.79 | 4.98 | 173.46 | 0.04 | 42.92 |
| 3.626 | 30.5 | 7.05 | 1.87 | 4.98 | 172.1 | 0.01 | 42.92 |
| 3.638 | 30.5 | 7.05 | 1.87 | 4.97 | 170.87 | 0.03 | 42.92 |
| 3.65 | 30.5 | 7.05 | 1.83 | 4.96 | 172.38 | 0.0 | 42.92 |
| 3.663 | 30.5 | 7.05 | 1.76 | 4.97 | 172.58 | 0.0 | 42.92 |
| 3.674 | 30.5 | 7.05 | 1.68 | 4.97 | 169.76 | 0.0 | 42.92 |
| 3.684 | 30.5 | 7.05 | 1.76 | 4.95 | 170.87 | 0.02 | 42.92 |
| 3.695 | 30.5 | 7.05 | 1.91 | 4.93 | 170.51 | 0.0 | 42.92 |
| 3.701 | 30.5 | 7.05 | 1.91 | 4.94 | 166.84 | 0.02 | 42.92 |
| 3.708 | 30.5 | 7.05 | 1.87 | 4.94 | 168.66 | 0.05 | 42.92 |
| 3.724 | 30.5 | 7.05 | 1.83 | 4.95 | 170.87 | 0.02 | 42.92 |
| 3.736 | 30.5 | 7.05 | 1.72 | 4.96 | 168.31 | 0.02 | 42.92 |
| 3.744 | 30.5 | 7.05 | 1.72 | 4.99 | 165.99 | 0.04 | 42.92 |
| 3.76 | 30.5 | 7.05 | 1.76 | 5.0 | 164.76 | 0.01 | 42.92 |
| 3.787 | 30.5 | 7.05 | 1.72 | 5.03 | 165.83 | 0.01 | 42.92 |
| 3.812 | 30.5 | 7.05 | 2.14 | 5.02 | 165.22 | 0.01 | 42.92 |
| 3.818 | 30.5 | 7.05 | 1.83 | 5.01 | 163.39 | 0.02 | 42.92 |
| 3.84 | 30.5 | 7.05 | 1.68 | 5.01 | 165.03 | 0.03 | 42.92 |
| 3.868 | 30.5 | 7.05 | 1.68 | 5.01 | 162.45 | 0.0 | 42.92 |
| 3.9 | 30.5 | 7.05 | 1.56 | 5.0 | 162.03 | 0.01 | 42.92 |
| 3.926 | 30.5 | 7.05 | 1.6 | 5.02 | 164.15 | 0.04 | 42.92 |
| 3.931 | 30.5 | 7.05 | 1.68 | 5.03 | 160.21 | 0.01 | 42.92 |
| 3.947 | 30.5 | 7.05 | 1.64 | 5.04 | 156.43 | 0.02 | 42.92 |
| 3.966 | 30.5 | 7.05 | 1.53 | 5.05 | 155.45 | 0.0 | 42.92 |
| 3.975 | 30.5 | 7.05 | 1.56 | 5.06 | 157.37 | 0.02 | 42.92 |
| 3.98 | 30.5 | 7.05 | 1.56 | 5.05 | 158.51 | 0.01 | 42.92 |
| 3.997 | 30.5 | 7.05 | 1.53 | 5.05 | 159.24 | 0.05 | 42.92 |
| 4.02 | 30.5 | 7.05 | 1.6 | 5.03 | 156.86 | 0.05 | 42.92 |
| 4.028 | 30.5 | 7.05 | 1.56 | 5.02 | 152.24 | 0.03 | 42.92 |
| 4.031 | 30.5 | 7.05 | 1.49 | 5.02 | 153.02 | 0.02 | 42.92 |
| 4.041 | 30.5 | 7.05 | 1.53 | 5.02 | 153.91 | 0.04 | 42.92 |
| 4.057 | 30.5 | 7.05 | 1.68 | 5.01 | 155.2 | 0.02 | 42.92 |
| 4.059 | 30.5 | 7.05 | 1.76 | 5.03 | 152.49 | 0.42 | 42.93 |
| 4.063 | 30.5 | 7.05 | 1.76 | 5.04 | 151.82 | 0.4 | 42.93 |
| 4.073 | 30.5 | 7.05 | 1.6 | 5.06 | 152.45 | 0.38 | 42.93 |
| 4.088 | 30.5 | 7.05 | 1.6 | 5.05 | 154.84 | 0.39 | 42.93 |
| 4.107 | 30.5 | 7.05 | 1.76 | 5.01 | 153.69 | 0.47 | 42.93 |
| 4.12 | 30.5 | 7.05 | 1.64 | 4.8 | 151.01 | 0.51 | 42.93 |
| 4.121 | 30.5 | 7.05 | 1.68 | 4.73 | 150.28 | 0.5 | 42.93 |
| 4.137 | 30.5 | 7.05 | 1.41 | 4.65 | 154.05 | 0.57 | 42.93 |
| 4.159 | 30.5 | 7.05 | 1.6 | 4.59 | 153.91 | 0.58 | 42.93 |
| 4.189 | 30.5 | 7.05 | 1.56 | 4.53 | 153.45 | 0.63 | 42.93 |
| 4.212 | 30.5 | 7.05 | 1.6 | 4.48 | 148.2 | 0.49 | 42.93 |
| 4.213 | 30.5 | 7.05 | 1.87 | 4.37 | 148.75 | 0.47 | 42.93 |
| 4.215 | 30.5 | 7.05 | 1.83 | 4.38 | 148.13 | 0.65 | 42.93 |

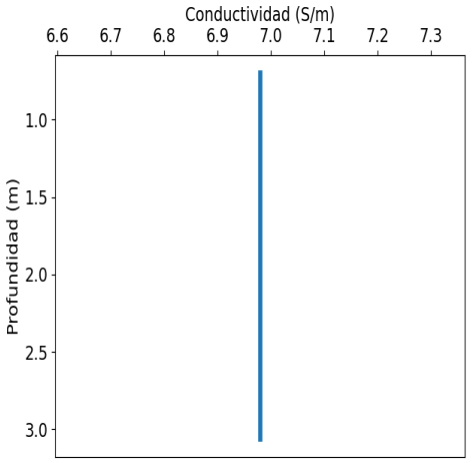
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.236 | 30.5 | 7.05 | 1.56 | 4.41 | 149.9 | 0.48 | 42.93 |
| 4.264 | 30.5 | 7.05 | 1.53 | 4.42 | 149.86 | 0.48 | 42.93 |
| 4.283 | 30.5 | 7.05 | 1.45 | 4.42 | 146.29 | 0.49 | 42.93 |
| 4.29 | 30.5 | 7.05 | 1.76 | 4.41 | 144.47 | 0.58 | 42.93 |
| 4.3 | 30.5 | 7.05 | 1.72 | 4.39 | 145.28 | 0.48 | 42.93 |
| 4.308 | 30.5 | 7.05 | 1.98 | 4.38 | 146.05 | 0.45 | 42.93 |
| 4.318 | 30.5 | 7.05 | 2.14 | 4.4 | 144.07 | 0.43 | 42.93 |
| 4.332 | 30.5 | 7.05 | 1.68 | 4.42 | 145.51 | 0.45 | 42.93 |
| 4.342 | 30.5 | 7.05 | 1.56 | 4.43 | 144.2 | 0.52 | 42.93 |
| 4.351 | 30.5 | 7.05 | 1.56 | 4.46 | 141.92 | 0.47 | 42.93 |
| 4.359 | 30.5 | 7.05 | 1.76 | 4.51 | 141.13 | 0.43 | 42.93 |
| 4.375 | 30.5 | 7.05 | 1.76 | 4.56 | 142.67 | 0.52 | 42.93 |
| 4.404 | 30.49 | 7.05 | 1.53 | 4.62 | 142.64 | 0.41 | 42.93 |
| 4.422 | 30.49 | 7.05 | 1.37 | 4.85 | 140.8 | 0.41 | 42.93 |
| 4.431 | 30.49 | 7.05 | 1.56 | 4.86 | 140.44 | 0.56 | 42.93 |
| 4.452 | 30.49 | 7.05 | 1.45 | 4.87 | 138.73 | 0.48 | 42.93 |
| 4.473 | 30.49 | 7.05 | 1.41 | 4.88 | 136.81 | 0.43 | 42.93 |
| 4.488 | 30.49 | 7.05 | 1.34 | 4.9 | 137.54 | 0.46 | 42.93 |
| 4.503 | 30.49 | 7.05 | 1.49 | 4.94 | 137.64 | 0.48 | 42.93 |
| 4.528 | 30.49 | 7.05 | 1.6 | 4.97 | 138.44 | 0.42 | 42.93 |
| 4.551 | 30.49 | 7.05 | 1.45 | 5.0 | 137.54 | 0.41 | 42.93 |
| 4.559 | 30.49 | 7.05 | 1.37 | 5.03 | 137.04 | 0.39 | 42.92 |
| 4.563 | 30.49 | 7.05 | 1.41 | 5.05 | 135.61 | 0.42 | 42.93 |
| 4.577 | 30.49 | 7.05 | 2.1 | 5.06 | 135.99 | 0.41 | 42.92 |
| 4.603 | 30.49 | 7.05 | 1.72 | 5.07 | 134.42 | 0.52 | 42.92 |
| 4.629 | 30.49 | 7.05 | 1.68 | 5.07 | 134.67 | 0.5 | 42.93 |
| 4.652 | 30.49 | 7.05 | 1.41 | 5.06 | 134.67 | 0.43 | 42.93 |
| 4.673 | 30.49 | 7.05 | 1.49 | 5.06 | 132.63 | 0.52 | 42.93 |
| 4.691 | 30.49 | 7.05 | 1.6 | 5.06 | 131.56 | 0.47 | 42.93 |
| 4.695 | 30.49 | 7.05 | 1.45 | 5.06 | 133.0 | 0.47 | 42.93 |
| 4.696 | 30.49 | 7.05 | 1.53 | 5.05 | 132.32 | 0.5 | 42.93 |
| 4.709 | 30.49 | 7.05 | 1.49 | 5.05 | 131.65 | 0.51 | 42.93 |
| 4.733 | 30.49 | 7.05 | 1.49 | 5.05 | 129.77 | 0.44 | 42.93 |
| 4.762 | 30.49 | 7.05 | 1.68 | 5.06 | 127.59 | 0.47 | 42.93 |
| 4.793 | 30.49 | 7.05 | 1.34 | 5.05 | 127.03 | 0.49 | 42.93 |
| 4.806 | 30.49 | 7.05 | 1.37 | 5.06 | 129.47 | 0.54 | 42.93 |
| 4.816 | 30.49 | 7.05 | 1.26 | 5.08 | 127.71 | 0.42 | 42.93 |
| 4.845 | 30.49 | 7.05 | 1.45 | 5.09 | 125.95 | 0.5 | 42.93 |
| 4.887 | 30.49 | 7.05 | 1.34 | 5.11 | 124.41 | 0.44 | 42.93 |
| 4.919 | 30.49 | 7.05 | 1.49 | 5.12 | 124.38 | 0.46 | 42.93 |
| 4.932 | 30.49 | 7.05 | 1.41 | 5.12 | 124.35 | 0.49 | 42.93 |
| 4.94 | 30.49 | 7.05 | 1.3 | 5.12 | 126.45 | 0.42 | 42.93 |
| 4.953 | 30.49 | 7.05 | 1.56 | 5.11 | 125.98 | 0.44 | 42.93 |
| 4.985 | 30.49 | 7.05 | 1.41 | 5.11 | 123.06 | 0.49 | 42.93 |
| 5.03 | 30.49 | 7.05 | 1.49 | 5.12 | 121.64 | 0.42 | 42.93 |
| 5.068 | 30.49 | 7.05 | 1.3 | 5.13 | 119.6 | 0.44 | 42.93 |
| 5.094 | 30.49 | 7.05 | 1.34 | 5.13 | 119.83 | 0.48 | 42.93 |
| 5.106 | 30.49 | 7.05 | 1.45 | 5.14 | 120.58 | 0.43 | 42.93 |
| 5.109 | 30.49 | 7.05 | 1.26 | 5.14 | 121.19 | 0.48 | 42.93 |
| 5.121 | 30.49 | 7.05 | 1.22 | 5.14 | 121.48 | 0.43 | 42.93 |
| 5.15 | 30.49 | 7.05 | 1.41 | 5.13 | 120.66 | 0.39 | 42.93 |
| 5.177 | 30.49 | 7.05 | 1.37 | 5.14 | 119.3 | 0.43 | 42.93 |
| 5.189 | 30.49 | 7.05 | 1.37 | 5.14 | 118.69 | 0.43 | 42.93 |
| 5.197 | 30.49 | 7.05 | 1.41 | 5.14 | 117.46 | 0.41 | 42.93 |
| 5.213 | 30.49 | 7.05 | 1.37 | 5.14 | 117.11 | 0.43 | 42.93 |
| 5.228 | 30.49 | 7.05 | 1.49 | 5.15 | 117.19 | 0.49 | 42.93 |
| 5.234 | 30.49 | 7.05 | 1.49 | 5.16 | 118.25 | 0.46 | 42.93 |
| 5.242 | 30.49 | 7.05 | 1.49 | 5.16 | 116.92 | 0.44 | 42.93 |

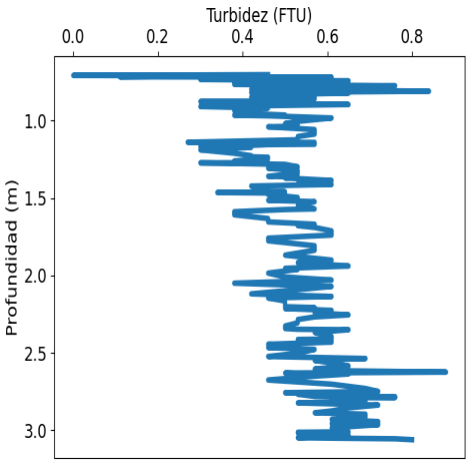
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5.265 | 30.49 | 7.05 | 1.45 | 5.17 | 115.79 | 0.41 | 42.93 |
| 5.288 | 30.49 | 7.05 | 1.45 | 5.17 | 114.69 | 0.46 | 42.93 |
| 5.291 | 30.49 | 7.05 | 1.41 | 5.17 | 114.96 | 0.45 | 42.93 |
| 5.307 | 30.49 | 7.05 | 1.3 | 5.18 | 115.04 | 0.45 | 42.93 |
| 5.322 | 30.49 | 7.05 | 1.26 | 5.18 | 114.64 | 0.44 | 42.93 |
| 5.333 | 30.49 | 7.05 | 1.41 | 5.18 | 112.74 | 0.42 | 42.93 |
| 5.339 | 30.49 | 7.05 | 1.41 | 5.18 | 112.9 | 0.44 | 42.93 |
| 5.345 | 30.49 | 7.05 | 1.34 | 5.18 | 112.56 | 0.46 | 42.93 |
| 5.358 | 30.49 | 7.05 | 1.45 | 5.18 | 112.79 | 0.43 | 42.93 |
| 5.378 | 30.49 | 7.05 | 1.34 | 5.18 | 113.26 | 0.44 | 42.93 |
| 5.397 | 30.49 | 7.05 | 1.49 | 5.18 | 112.14 | 0.43 | 42.93 |
| 5.417 | 30.49 | 7.05 | 1.45 | 5.19 | 112.32 | 0.46 | 42.93 |
| 5.434 | 30.49 | 7.05 | 1.37 | 5.19 | 112.01 | 0.43 | 42.93 |
| 5.449 | 30.49 | 7.05 | 1.34 | 5.2 | 110.9 | 0.4 | 42.93 |
| 5.458 | 30.49 | 7.05 | 1.3 | 5.2 | 110.75 | 0.42 | 42.93 |
| 5.468 | 30.5 | 7.05 | 1.41 | 5.2 | 111.47 | 0.41 | 42.93 |
| 5.484 | 30.49 | 7.05 | 1.49 | 5.2 | 112.66 | 0.43 | 42.93 |
| 5.503 | 30.49 | 7.05 | 1.26 | 5.2 | 111.21 | 0.4 | 42.93 |
| 5.509 | 30.49 | 7.05 | 1.37 | 5.19 | 110.75 | 0.38 | 42.93 |
| 5.52 | 30.49 | 7.05 | 1.41 | 5.19 | 111.03 | 0.42 | 42.93 |
| 5.537 | 30.49 | 7.05 | 1.37 | 5.19 | 109.42 | 0.4 | 42.93 |
| 5.56 | 30.49 | 7.05 | 1.41 | 5.2 | 107.56 | 0.36 | 42.93 |
| 5.581 | 30.49 | 7.05 | 1.34 | 5.2 | 107.41 | 0.37 | 42.93 |
| 5.586 | 30.5 | 7.05 | 1.41 | 5.21 | 108.33 | 0.36 | 42.93 |
| 5.599 | 30.5 | 7.05 | 1.45 | 5.21 | 108.11 | 0.33 | 42.93 |
| 5.628 | 30.5 | 7.05 | 1.37 | 5.21 | 105.73 | 0.37 | 42.93 |
| 5.659 | 30.5 | 7.05 | 1.34 | 5.21 | 104.66 | 0.37 | 42.93 |
| 5.678 | 30.49 | 7.05 | 1.45 | 5.2 | 104.97 | 0.4 | 42.93 |
| 5.682 | 30.49 | 7.05 | 1.26 | 5.2 | 104.27 | 0.39 | 42.93 |
| 5.69 | 30.49 | 7.05 | 1.34 | 5.2 | 104.2 | 0.4 | 42.93 |
| 5.71 | 30.49 | 7.05 | 1.37 | 5.2 | 104.54 | 0.41 | 42.93 |
| 5.734 | 30.5 | 7.05 | 1.49 | 5.21 | 103.98 | 0.4 | 42.93 |
| 5.767 | 30.5 | 7.05 | 1.26 | 5.21 | 101.43 | 0.42 | 42.93 |
| 5.789 | 30.5 | 7.05 | 1.3 | 5.22 | 99.18 | 0.32 | 42.93 |
| 5.794 | 30.5 | 7.05 | 1.34 | 5.21 | 99.55 | 0.36 | 42.93 |
| 5.795 | 30.5 | 7.05 | 1.41 | 5.21 | 101.55 | 0.4 | 42.93 |
| 5.797 | 30.5 | 7.05 | 1.41 | 5.22 | 102.14 | 0.38 | 42.93 |
| 5.799 | 30.5 | 7.05 | 1.53 | 5.22 | 100.4 | 0.42 | 42.93 |

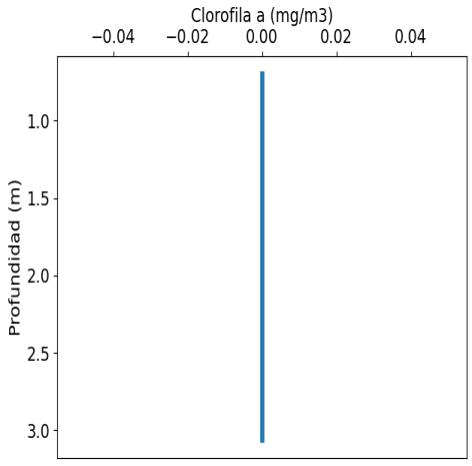
**Nombre: CTD P02 - Punto 013** **Fecha: 08/08/2022** **Hora: 09:08:32**

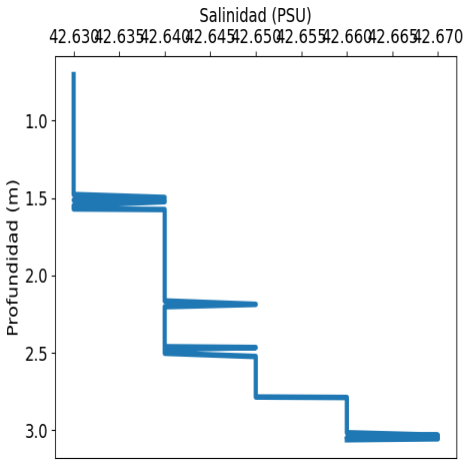


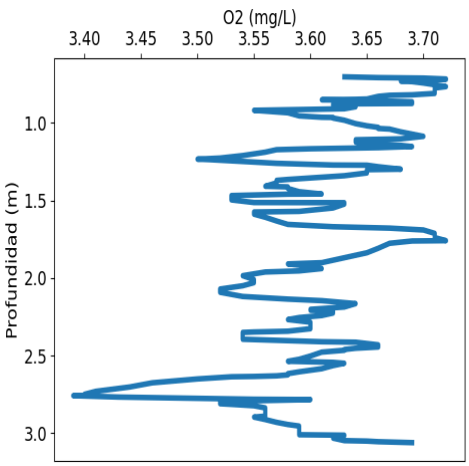



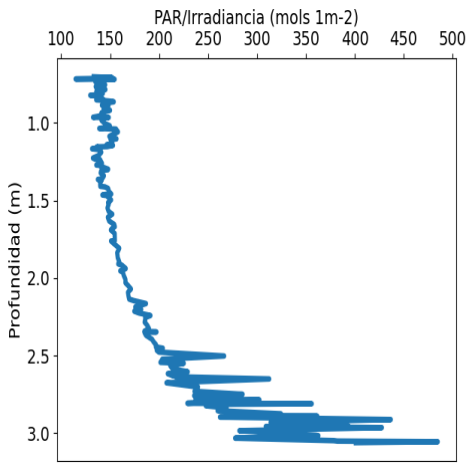




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.22 | 6.98 | 0.0 | 3.39 | 114.61 | 0.0 | 42.63 |
| **PROF (metros)** | 2.786 | 0.702 | 0.707 | 2.759 | 0.716 | 0.702 | 0.702 |
| **MÁXIMO** | 30.28 | 30.28 | 0.88 | 3.72 | 484.87 | 0.0 | 42.67 |
| **PROF (metros)** | 0.702 | 0.702 | 2.625 | 0.716 | 3.056 | 0.702 | 3.011 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P02 - Punto 013 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.28 | 6.98 | 0.48 | 3.66 | 140.95 | 0.0 | 42.63 |
| 1 - 2m | 30.27 | 6.98 | 0.49 | 3.61 | 148.01 | 0.0 | 42.63 |
| 2 - 3m | 30.24 | 6.98 | 0.59 | 3.56 | 232.87 | 0.0 | 42.65 |
| 3 - 4m | 30.23 | 6.98 | 0.63 | 3.64 | 374.44 | 0.0 | 42.66 |

| OBSERVACIONES GENERALES |
|---|
| HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m con los valores 3.66, 3.61, 3.56, 3.64 respectivamente. |

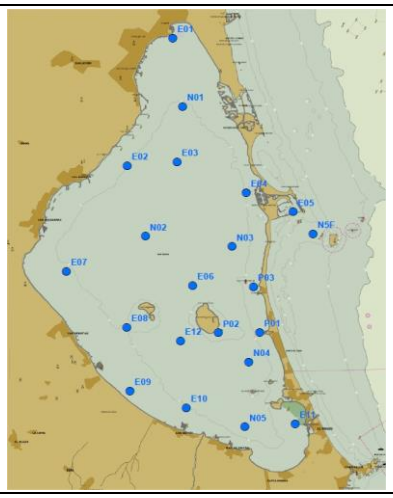
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.702 | 30.28 | 6.98 | 0.46 | 3.63 | 133.18 | 0.0 | 42.63 |
| 0.707 | 30.28 | 6.98 | 0.0 | 3.66 | 151.96 | 0.0 | 42.63 |
| 0.709 | 30.28 | 6.98 | 0.3 | 3.69 | 135.14 | 0.0 | 42.63 |
| 0.71 | 30.28 | 6.98 | 0.27 | 3.7 | 152.31 | 0.0 | 42.63 |
| 0.716 | 30.28 | 6.98 | 0.11 | 3.72 | 114.61 | 0.0 | 42.63 |
| 0.718 | 30.28 | 6.98 | 0.61 | 3.72 | 154.62 | 0.0 | 42.63 |
| 0.722 | 30.28 | 6.98 | 0.42 | 3.7 | 135.71 | 0.0 | 42.63 |
| 0.728 | 30.28 | 6.98 | 0.61 | 3.68 | 140.18 | 0.0 | 42.63 |
| 0.73 | 30.28 | 6.98 | 0.53 | 3.68 | 136.34 | 0.0 | 42.63 |
| 0.733 | 30.28 | 6.98 | 0.3 | 3.69 | 134.7 | 0.0 | 42.63 |
| 0.742 | 30.28 | 6.98 | 0.65 | 3.7 | 139.54 | 0.0 | 42.63 |
| 0.753 | 30.28 | 6.98 | 0.38 | 3.71 | 145.01 | 0.0 | 42.63 |
| 0.765 | 30.28 | 6.98 | 0.38 | 3.72 | 135.17 | 0.0 | 42.63 |
| 0.774 | 30.28 | 6.98 | 0.76 | 3.71 | 136.12 | 0.0 | 42.63 |
| 0.784 | 30.28 | 6.98 | 0.5 | 3.71 | 145.24 | 0.0 | 42.63 |
| 0.797 | 30.28 | 6.98 | 0.42 | 3.71 | 135.83 | 0.0 | 42.63 |
| 0.809 | 30.28 | 6.98 | 0.84 | 3.71 | 142.58 | 0.0 | 42.63 |
| 0.818 | 30.28 | 6.98 | 0.42 | 3.69 | 138.31 | 0.0 | 42.63 |
| 0.821 | 30.28 | 6.98 | 0.65 | 3.67 | 129.59 | 0.0 | 42.63 |
| 0.828 | 30.28 | 6.98 | 0.53 | 3.66 | 139.66 | 0.0 | 42.63 |
| 0.845 | 30.28 | 6.98 | 0.53 | 3.65 | 142.08 | 0.0 | 42.63 |
| 0.847 | 30.28 | 6.98 | 0.42 | 3.64 | 142.94 | 0.0 | 42.63 |
| 0.85 | 30.28 | 6.98 | 0.57 | 3.61 | 135.71 | 0.0 | 42.63 |
| 0.859 | 30.28 | 6.98 | 0.57 | 3.67 | 150.0 | 0.0 | 42.63 |
| 0.863 | 30.28 | 6.98 | 0.42 | 3.69 | 153.77 | 0.0 | 42.63 |
| 0.874 | 30.28 | 6.98 | 0.53 | 3.69 | 143.4 | 0.0 | 42.63 |
| 0.876 | 30.28 | 6.98 | 0.3 | 3.64 | 142.48 | 0.0 | 42.63 |
| 0.878 | 30.28 | 6.98 | 0.5 | 3.62 | 145.72 | 0.0 | 42.63 |
| 0.884 | 30.28 | 6.98 | 0.5 | 3.62 | 144.3 | 0.0 | 42.63 |
| 0.885 | 30.28 | 6.98 | 0.5 | 3.62 | 141.49 | 0.0 | 42.63 |
| 0.888 | 30.28 | 6.98 | 0.46 | 3.63 | 148.31 | 0.0 | 42.63 |
| 0.895 | 30.28 | 6.98 | 0.65 | 3.64 | 144.3 | 0.0 | 42.63 |
| 0.908 | 30.28 | 6.98 | 0.3 | 3.63 | 143.24 | 0.0 | 42.63 |
| 0.918 | 30.28 | 6.98 | 0.46 | 3.55 | 149.93 | 0.0 | 42.63 |

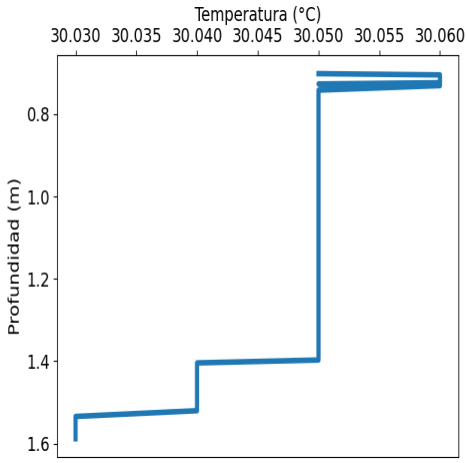
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.934 | 30.28 | 6.98 | 0.38 | 3.58 | 141.13 | 0.0 | 42.63 |
| 0.954 | 30.28 | 6.98 | 0.42 | 3.59 | 139.92 | 0.0 | 42.63 |
| 0.963 | 30.28 | 6.98 | 0.5 | 3.61 | 132.48 | 0.0 | 42.63 |
| 0.964 | 30.27 | 6.98 | 0.38 | 3.62 | 148.62 | 0.0 | 42.63 |
| 0.968 | 30.27 | 6.98 | 0.46 | 3.62 | 142.34 | 0.0 | 42.63 |
| 0.982 | 30.27 | 6.98 | 0.61 | 3.63 | 141.06 | 0.0 | 42.63 |
| 1.004 | 30.27 | 6.98 | 0.53 | 3.64 | 144.91 | 0.0 | 42.63 |
| 1.018 | 30.27 | 6.98 | 0.5 | 3.65 | 149.65 | 0.0 | 42.63 |
| 1.028 | 30.27 | 6.98 | 0.53 | 3.66 | 147.14 | 0.0 | 42.63 |
| 1.035 | 30.27 | 6.98 | 0.53 | 3.66 | 138.79 | 0.0 | 42.63 |
| 1.039 | 30.27 | 6.98 | 0.46 | 3.67 | 155.92 | 0.0 | 42.63 |
| 1.057 | 30.27 | 6.98 | 0.57 | 3.68 | 157.99 | 0.0 | 42.63 |
| 1.086 | 30.27 | 6.98 | 0.57 | 3.7 | 149.13 | 0.0 | 42.63 |
| 1.102 | 30.27 | 6.98 | 0.53 | 3.68 | 156.53 | 0.0 | 42.63 |
| 1.108 | 30.27 | 6.98 | 0.53 | 3.64 | 150.31 | 0.0 | 42.63 |
| 1.123 | 30.27 | 6.98 | 0.53 | 3.64 | 152.17 | 0.0 | 42.63 |
| 1.139 | 30.27 | 6.98 | 0.27 | 3.65 | 148.96 | 0.0 | 42.63 |
| 1.14 | 30.27 | 6.98 | 0.57 | 3.67 | 146.33 | 0.0 | 42.63 |
| 1.144 | 30.27 | 6.98 | 0.57 | 3.68 | 152.98 | 0.0 | 42.63 |
| 1.152 | 30.27 | 6.98 | 0.57 | 3.69 | 146.94 | 0.0 | 42.63 |
| 1.154 | 30.27 | 6.98 | 0.46 | 3.68 | 136.18 | 0.0 | 42.63 |
| 1.159 | 30.27 | 6.98 | 0.42 | 3.66 | 139.99 | 0.0 | 42.63 |
| 1.166 | 30.27 | 6.98 | 0.3 | 3.6 | 131.44 | 0.0 | 42.63 |
| 1.172 | 30.27 | 6.98 | 0.42 | 3.57 | 139.37 | 0.0 | 42.63 |
| 1.188 | 30.27 | 6.98 | 0.3 | 3.56 | 141.0 | 0.0 | 42.63 |
| 1.21 | 30.27 | 6.98 | 0.38 | 3.54 | 137.99 | 0.0 | 42.63 |
| 1.226 | 30.27 | 6.98 | 0.42 | 3.52 | 132.35 | 0.0 | 42.63 |
| 1.233 | 30.27 | 6.98 | 0.42 | 3.5 | 134.58 | 0.0 | 42.63 |
| 1.236 | 30.27 | 6.98 | 0.46 | 3.51 | 139.7 | 0.0 | 42.63 |
| 1.244 | 30.27 | 6.98 | 0.46 | 3.53 | 140.22 | 0.0 | 42.63 |
| 1.26 | 30.27 | 6.98 | 0.38 | 3.57 | 141.69 | 0.0 | 42.63 |
| 1.271 | 30.27 | 6.98 | 0.46 | 3.62 | 135.8 | 0.0 | 42.63 |
| 1.272 | 30.27 | 6.98 | 0.3 | 3.65 | 138.38 | 0.0 | 42.63 |
| 1.282 | 30.27 | 6.98 | 0.5 | 3.66 | 141.46 | 0.0 | 42.63 |
| 1.298 | 30.27 | 6.98 | 0.53 | 3.68 | 148.03 | 0.0 | 42.63 |
| 1.301 | 30.27 | 6.98 | 0.5 | 3.65 | 147.72 | 0.0 | 42.63 |
| 1.307 | 30.27 | 6.98 | 0.46 | 3.65 | 140.83 | 0.0 | 42.63 |
| 1.322 | 30.27 | 6.98 | 0.53 | 3.65 | 140.22 | 0.0 | 42.63 |
| 1.34 | 30.27 | 6.98 | 0.53 | 3.63 | 143.64 | 0.0 | 42.63 |
| 1.359 | 30.27 | 6.98 | 0.46 | 3.59 | 141.88 | 0.0 | 42.63 |
| 1.364 | 30.27 | 6.98 | 0.53 | 3.58 | 137.32 | 0.0 | 42.63 |
| 1.37 | 30.27 | 6.98 | 0.5 | 3.57 | 141.26 | 0.0 | 42.63 |
| 1.386 | 30.27 | 6.98 | 0.61 | 3.57 | 139.79 | 0.0 | 42.63 |
| 1.408 | 30.27 | 6.98 | 0.53 | 3.56 | 139.86 | 0.0 | 42.63 |
| 1.412 | 30.27 | 6.98 | 0.61 | 3.58 | 144.71 | 0.0 | 42.63 |
| 1.422 | 30.27 | 6.98 | 0.42 | 3.58 | 147.96 | 0.0 | 42.63 |
| 1.443 | 30.27 | 6.98 | 0.46 | 3.59 | 148.82 | 0.0 | 42.63 |
| 1.458 | 30.27 | 6.98 | 0.46 | 3.61 | 151.19 | 0.0 | 42.63 |
| 1.459 | 30.27 | 6.98 | 0.5 | 3.58 | 146.53 | 0.0 | 42.63 |
| 1.464 | 30.27 | 6.98 | 0.34 | 3.55 | 142.01 | 0.0 | 42.63 |
| 1.468 | 30.27 | 6.98 | 0.5 | 3.53 | 146.39 | 0.0 | 42.63 |
| 1.477 | 30.27 | 6.98 | 0.46 | 3.53 | 147.86 | 0.0 | 42.63 |
| 1.496 | 30.27 | 6.98 | 0.53 | 3.53 | 151.01 | 0.0 | 42.64 |
| 1.513 | 30.27 | 6.98 | 0.53 | 3.55 | 147.82 | 0.0 | 42.63 |
| 1.514 | 30.27 | 6.98 | 0.46 | 3.63 | 148.72 | 0.0 | 42.64 |
| 1.523 | 30.27 | 6.98 | 0.57 | 3.63 | 148.55 | 0.0 | 42.64 |
| 1.548 | 30.27 | 6.98 | 0.53 | 3.62 | 147.21 | 0.0 | 42.63 |
| 1.57 | 30.27 | 6.98 | 0.57 | 3.59 | 148.41 | 0.0 | 42.63 |

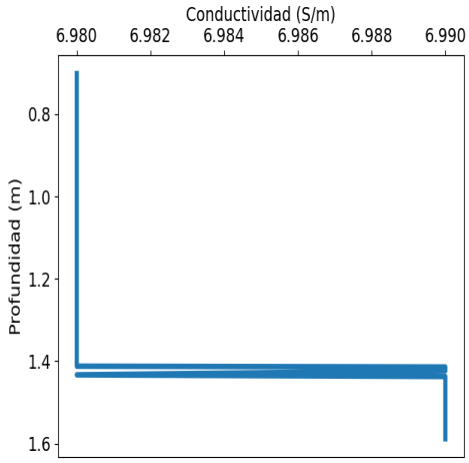
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.574 | 30.26 | 6.98 | 0.5 | 3.55 | 149.06 | 0.0 | 42.64 |
| 1.588 | 30.26 | 6.98 | 0.38 | 3.55 | 152.21 | 0.0 | 42.64 |
| 1.608 | 30.26 | 6.98 | 0.38 | 3.56 | 147.59 | 0.0 | 42.64 |
| 1.632 | 30.26 | 6.98 | 0.46 | 3.57 | 148.96 | 0.0 | 42.64 |
| 1.654 | 30.26 | 6.98 | 0.46 | 3.58 | 154.16 | 0.0 | 42.64 |
| 1.669 | 30.26 | 6.98 | 0.57 | 3.62 | 154.77 | 0.0 | 42.64 |
| 1.678 | 30.26 | 6.98 | 0.53 | 3.67 | 152.31 | 0.0 | 42.64 |
| 1.69 | 30.26 | 6.98 | 0.57 | 3.7 | 150.7 | 0.0 | 42.64 |
| 1.712 | 30.26 | 6.98 | 0.61 | 3.71 | 154.59 | 0.0 | 42.64 |
| 1.739 | 30.26 | 6.98 | 0.61 | 3.71 | 154.73 | 0.0 | 42.64 |
| 1.759 | 30.26 | 6.98 | 0.46 | 3.72 | 154.8 | 0.0 | 42.64 |
| 1.761 | 30.26 | 6.98 | 0.46 | 3.69 | 150.87 | 0.0 | 42.64 |
| 1.776 | 30.26 | 6.98 | 0.46 | 3.67 | 153.45 | 0.0 | 42.64 |
| 1.808 | 30.26 | 6.98 | 0.57 | 3.66 | 159.32 | 0.0 | 42.64 |
| 1.837 | 30.26 | 6.98 | 0.57 | 3.65 | 157.19 | 0.0 | 42.64 |
| 1.869 | 30.26 | 6.98 | 0.5 | 3.63 | 157.77 | 0.0 | 42.64 |
| 1.901 | 30.26 | 6.98 | 0.61 | 3.61 | 159.58 | 0.0 | 42.64 |
| 1.909 | 30.26 | 6.98 | 0.57 | 3.58 | 158.21 | 0.0 | 42.64 |
| 1.917 | 30.26 | 6.98 | 0.53 | 3.59 | 162.0 | 0.0 | 42.64 |
| 1.939 | 30.26 | 6.98 | 0.65 | 3.61 | 165.99 | 0.0 | 42.64 |
| 1.954 | 30.26 | 6.98 | 0.5 | 3.59 | 160.28 | 0.0 | 42.64 |
| 1.961 | 30.26 | 6.98 | 0.53 | 3.56 | 162.9 | 0.0 | 42.64 |
| 1.985 | 30.26 | 6.98 | 0.46 | 3.54 | 164.0 | 0.0 | 42.64 |
| 2.01 | 30.25 | 6.98 | 0.5 | 3.55 | 165.68 | 0.0 | 42.64 |
| 2.03 | 30.25 | 6.98 | 0.61 | 3.55 | 165.53 | 0.0 | 42.64 |
| 2.05 | 30.25 | 6.98 | 0.38 | 3.54 | 168.51 | 0.0 | 42.64 |
| 2.071 | 30.25 | 6.98 | 0.61 | 3.52 | 171.3 | 0.0 | 42.64 |
| 2.092 | 30.25 | 6.98 | 0.53 | 3.52 | 168.16 | 0.0 | 42.64 |
| 2.119 | 30.25 | 6.98 | 0.42 | 3.54 | 168.78 | 0.0 | 42.64 |
| 2.136 | 30.25 | 6.98 | 0.61 | 3.58 | 169.41 | 0.0 | 42.64 |
| 2.146 | 30.25 | 6.98 | 0.46 | 3.61 | 174.15 | 0.0 | 42.64 |
| 2.165 | 30.25 | 6.98 | 0.5 | 3.64 | 186.64 | 0.0 | 42.64 |
| 2.187 | 30.25 | 6.98 | 0.5 | 3.63 | 175.61 | 0.0 | 42.65 |
| 2.202 | 30.25 | 6.98 | 0.5 | 3.6 | 181.78 | 0.0 | 42.64 |
| 2.208 | 30.25 | 6.98 | 0.57 | 3.6 | 179.85 | 0.0 | 42.64 |
| 2.214 | 30.25 | 6.98 | 0.5 | 3.62 | 174.59 | 0.0 | 42.64 |
| 2.226 | 30.25 | 6.98 | 0.61 | 3.62 | 179.56 | 0.0 | 42.64 |
| 2.242 | 30.25 | 6.98 | 0.57 | 3.61 | 191.24 | 0.0 | 42.64 |
| 2.255 | 30.25 | 6.98 | 0.65 | 3.59 | 185.87 | 0.0 | 42.64 |
| 2.268 | 30.25 | 6.98 | 0.57 | 3.58 | 185.78 | 0.0 | 42.64 |
| 2.285 | 30.25 | 6.98 | 0.53 | 3.6 | 185.22 | 0.0 | 42.64 |
| 2.306 | 30.25 | 6.98 | 0.53 | 3.6 | 187.99 | 0.0 | 42.64 |
| 2.327 | 30.25 | 6.98 | 0.5 | 3.6 | 189.7 | 0.0 | 42.64 |
| 2.343 | 30.25 | 6.98 | 0.5 | 3.58 | 185.01 | 0.0 | 42.64 |
| 2.348 | 30.25 | 6.98 | 0.53 | 3.55 | 197.41 | 0.0 | 42.64 |
| 2.351 | 30.25 | 6.98 | 0.65 | 3.54 | 185.09 | 0.0 | 42.64 |
| 2.369 | 30.25 | 6.98 | 0.57 | 3.54 | 186.51 | 0.0 | 42.64 |
| 2.395 | 30.25 | 6.98 | 0.61 | 3.54 | 192.75 | 0.0 | 42.64 |
| 2.411 | 30.25 | 6.98 | 0.61 | 3.61 | 194.46 | 0.0 | 42.64 |
| 2.414 | 30.25 | 6.98 | 0.53 | 3.64 | 194.68 | 0.0 | 42.64 |
| 2.431 | 30.24 | 6.98 | 0.61 | 3.66 | 196.95 | 0.0 | 42.64 |
| 2.445 | 30.24 | 6.98 | 0.46 | 3.66 | 196.63 | 0.0 | 42.64 |
| 2.453 | 30.24 | 6.98 | 0.53 | 3.64 | 203.92 | 0.0 | 42.64 |
| 2.461 | 30.24 | 6.98 | 0.5 | 3.63 | 199.9 | 0.0 | 42.64 |
| 2.466 | 30.24 | 6.98 | 0.46 | 3.63 | 197.55 | 0.0 | 42.65 |
| 2.478 | 30.24 | 6.98 | 0.57 | 3.61 | 199.8 | 0.0 | 42.64 |
| 2.503 | 30.24 | 6.98 | 0.53 | 3.6 | 266.52 | 0.0 | 42.64 |
| 2.524 | 30.24 | 6.98 | 0.46 | 3.59 | 203.26 | 0.0 | 42.65 |

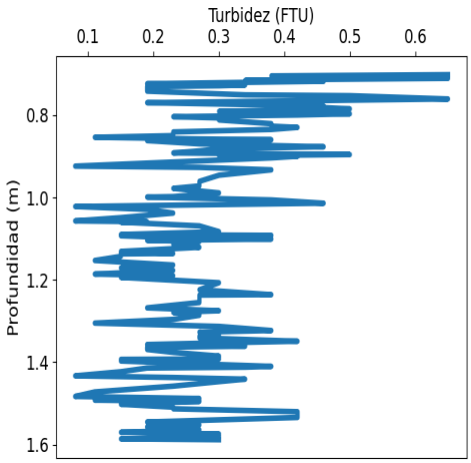
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.537 | 30.24 | 6.98 | 0.69 | 3.58 | 202.18 | 0.0 | 42.65 |
| 2.544 | 30.24 | 6.98 | 0.61 | 3.62 | 201.34 | 0.0 | 42.65 |
| 2.55 | 30.24 | 6.98 | 0.57 | 3.63 | 225.29 | 0.0 | 42.65 |
| 2.565 | 30.23 | 6.98 | 0.61 | 3.62 | 211.33 | 0.0 | 42.65 |
| 2.585 | 30.23 | 6.98 | 0.65 | 3.61 | 213.75 | 0.0 | 42.65 |
| 2.605 | 30.23 | 6.98 | 0.57 | 3.59 | 229.35 | 0.0 | 42.65 |
| 2.617 | 30.23 | 6.98 | 0.65 | 3.58 | 208.8 | 0.0 | 42.65 |
| 2.625 | 30.23 | 6.98 | 0.88 | 3.58 | 212.02 | 0.0 | 42.65 |
| 2.631 | 30.23 | 6.98 | 0.5 | 3.57 | 213.89 | 0.0 | 42.65 |
| 2.635 | 30.23 | 6.98 | 0.53 | 3.55 | 218.91 | 0.0 | 42.65 |
| 2.637 | 30.23 | 6.98 | 0.65 | 3.53 | 217.14 | 0.0 | 42.65 |
| 2.651 | 30.23 | 6.98 | 0.57 | 3.5 | 312.59 | 0.0 | 42.65 |
| 2.676 | 30.23 | 6.98 | 0.46 | 3.46 | 207.5 | 0.0 | 42.65 |
| 2.703 | 30.23 | 6.98 | 0.61 | 3.44 | 239.84 | 0.0 | 42.65 |
| 2.731 | 30.23 | 6.98 | 0.69 | 3.41 | 236.15 | 0.0 | 42.65 |
| 2.75 | 30.23 | 6.98 | 0.72 | 3.4 | 285.38 | 0.0 | 42.65 |
| 2.758 | 30.23 | 6.98 | 0.5 | 3.4 | 248.56 | 0.0 | 42.65 |
| 2.759 | 30.23 | 6.98 | 0.57 | 3.39 | 235.76 | 0.0 | 42.65 |
| 2.768 | 30.23 | 6.98 | 0.53 | 3.43 | 240.79 | 0.0 | 42.65 |
| 2.782 | 30.23 | 6.98 | 0.57 | 3.55 | 253.15 | 0.0 | 42.65 |
| 2.783 | 30.23 | 6.98 | 0.61 | 3.57 | 243.14 | 0.0 | 42.65 |
| 2.784 | 30.23 | 6.98 | 0.76 | 3.6 | 237.13 | 0.0 | 42.65 |
| 2.786 | 30.22 | 6.98 | 0.69 | 3.59 | 302.61 | 0.0 | 42.65 |
| 2.789 | 30.22 | 6.98 | 0.76 | 3.57 | 284.85 | 0.0 | 42.66 |
| 2.792 | 30.22 | 6.98 | 0.61 | 3.55 | 251.45 | 0.0 | 42.66 |
| 2.798 | 30.22 | 6.98 | 0.61 | 3.53 | 287.03 | 0.0 | 42.66 |
| 2.803 | 30.22 | 6.98 | 0.61 | 3.52 | 242.47 | 0.0 | 42.66 |
| 2.808 | 30.22 | 6.98 | 0.65 | 3.52 | 228.87 | 0.0 | 42.66 |
| 2.811 | 30.22 | 6.98 | 0.65 | 3.52 | 356.08 | 0.0 | 42.66 |
| 2.815 | 30.22 | 6.98 | 0.69 | 3.53 | 257.05 | 0.0 | 42.66 |
| 2.824 | 30.22 | 6.98 | 0.53 | 3.55 | 247.75 | 0.0 | 42.66 |
| 2.838 | 30.22 | 6.98 | 0.72 | 3.56 | 269.06 | 0.0 | 42.66 |
| 2.856 | 30.22 | 6.98 | 0.65 | 3.56 | 259.75 | 0.0 | 42.66 |
| 2.876 | 30.22 | 6.98 | 0.61 | 3.56 | 324.55 | 0.0 | 42.66 |
| 2.888 | 30.22 | 6.98 | 0.57 | 3.56 | 322.75 | 0.0 | 42.66 |
| 2.891 | 30.22 | 6.98 | 0.61 | 3.56 | 361.74 | 0.0 | 42.66 |
| 2.897 | 30.22 | 6.98 | 0.69 | 3.55 | 262.17 | 0.0 | 42.66 |
| 2.913 | 30.22 | 6.98 | 0.69 | 3.56 | 436.85 | 0.0 | 42.66 |
| 2.931 | 30.22 | 6.98 | 0.61 | 3.57 | 313.9 | 0.0 | 42.66 |
| 2.945 | 30.22 | 6.98 | 0.72 | 3.58 | 325.83 | 0.0 | 42.66 |
| 2.955 | 30.22 | 6.98 | 0.65 | 3.59 | 393.58 | 0.0 | 42.66 |
| 2.958 | 30.22 | 6.98 | 0.61 | 3.59 | 308.99 | 0.0 | 42.66 |
| 2.965 | 30.22 | 6.98 | 0.72 | 3.59 | 427.73 | 0.0 | 42.66 |
| 2.985 | 30.22 | 6.98 | 0.61 | 3.59 | 282.02 | 0.0 | 42.66 |
| 3.011 | 30.23 | 6.98 | 0.65 | 3.59 | 348.16 | 0.0 | 42.66 |
| 3.014 | 30.23 | 6.98 | 0.53 | 3.63 | 360.15 | 0.0 | 42.66 |
| 3.017 | 30.23 | 6.98 | 0.53 | 3.63 | 362.83 | 0.0 | 42.66 |
| 3.033 | 30.23 | 6.98 | 0.65 | 3.62 | 277.68 | 0.0 | 42.67 |
| 3.049 | 30.23 | 6.98 | 0.53 | 3.63 | 378.55 | 0.0 | 42.66 |
| 3.052 | 30.23 | 6.98 | 0.61 | 3.65 | 382.25 | 0.0 | 42.67 |
| 3.056 | 30.23 | 6.98 | 0.76 | 3.66 | 484.87 | 0.0 | 42.67 |
| 3.062 | 30.23 | 6.98 | 0.8 | 3.69 | 401.04 | 0.0 | 42.66 |

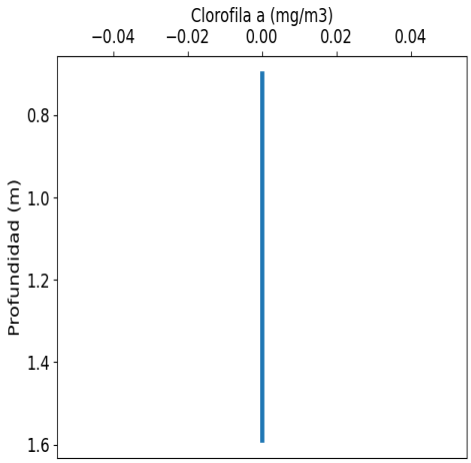
**Nombre: CTD P01 - Punto 014** **Fecha: 08/08/2022** **Hora: 09:08:49**

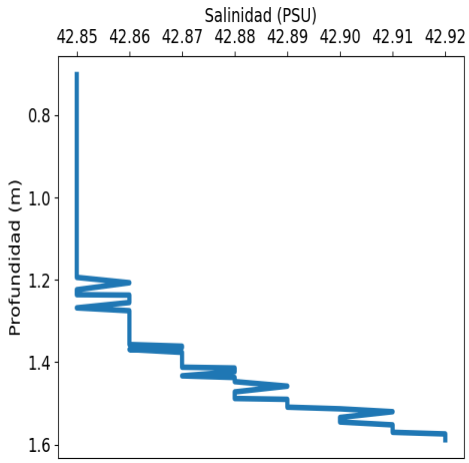


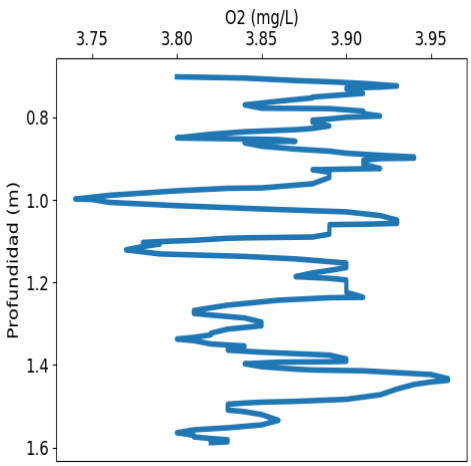



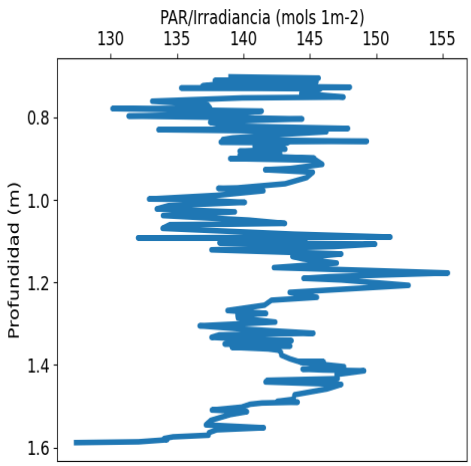




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.03 | 6.98 | 0.08 | 3.74 | 127.39 | 0.0 | 42.85 |
| **PROF (metros)** | 1.534 | 0.702 | 0.924 | 0.998 | 1.588 | 0.702 | 0.702 |
| **MÁXIMO** | 30.06 | 30.06 | 0.65 | 3.96 | 155.41 | 0.0 | 42.92 |
| **PROF (metros)** | 0.705 | 1.397 | 0.702 | 1.433 | 1.177 | 0.702 | 1.574 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD P01 - Punto 014 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.05 | 6.98 | 0.33 | 3.87 | 140.75 | 0.0 | 42.85 |
| 1 - 2m | 30.05 | 6.98 | 0.24 | 3.86 | 141.77 | 0.0 | 42.87 |

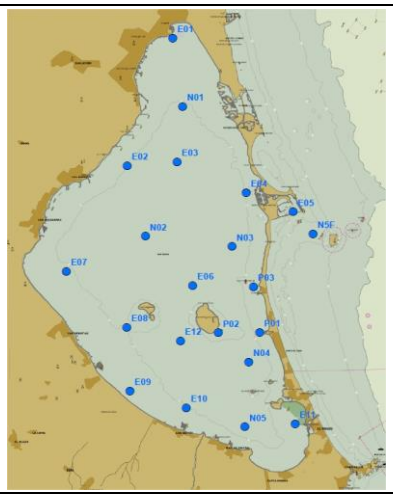
| OBSERVACIONES GENERALES |
|---|
| HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m con los valores 3.87, 3.86 respectivamente. |

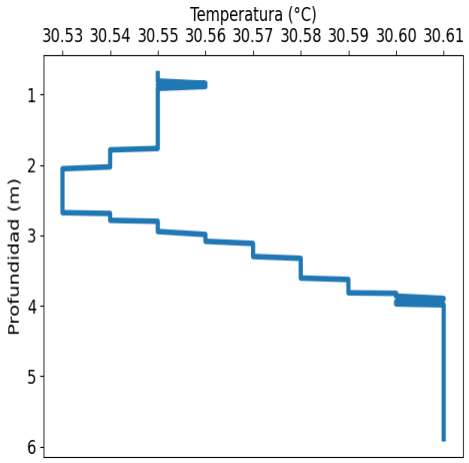
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.702 | 30.05 | 6.98 | 0.65 | 3.8 | 139.02 | 0.0 | 42.85 |
| 0.705 | 30.06 | 6.98 | 0.38 | 3.84 | 145.68 | 0.0 | 42.85 |
| 0.711 | 30.06 | 6.98 | 0.65 | 3.87 | 137.83 | 0.0 | 42.85 |
| 0.714 | 30.06 | 6.98 | 0.42 | 3.89 | 145.51 | 0.0 | 42.85 |
| 0.716 | 30.06 | 6.98 | 0.34 | 3.9 | 138.7 | 0.0 | 42.85 |
| 0.718 | 30.06 | 6.98 | 0.46 | 3.91 | 138.47 | 0.0 | 42.85 |
| 0.724 | 30.06 | 6.98 | 0.19 | 3.93 | 136.91 | 0.0 | 42.85 |
| 0.727 | 30.05 | 6.98 | 0.34 | 3.92 | 148.03 | 0.0 | 42.85 |
| 0.729 | 30.06 | 6.98 | 0.3 | 3.9 | 135.3 | 0.0 | 42.85 |
| 0.731 | 30.06 | 6.98 | 0.19 | 3.9 | 145.82 | 0.0 | 42.85 |
| 0.742 | 30.05 | 6.98 | 0.19 | 3.91 | 144.34 | 0.0 | 42.85 |
| 0.751 | 30.05 | 6.98 | 0.34 | 3.88 | 147.55 | 0.0 | 42.85 |
| 0.753 | 30.05 | 6.98 | 0.5 | 3.88 | 139.92 | 0.0 | 42.85 |
| 0.761 | 30.05 | 6.98 | 0.65 | 3.86 | 133.12 | 0.0 | 42.85 |
| 0.77 | 30.05 | 6.98 | 0.19 | 3.84 | 137.32 | 0.0 | 42.85 |
| 0.778 | 30.05 | 6.98 | 0.46 | 3.85 | 137.51 | 0.0 | 42.85 |
| 0.779 | 30.05 | 6.98 | 0.42 | 3.89 | 130.13 | 0.0 | 42.85 |
| 0.785 | 30.05 | 6.98 | 0.5 | 3.91 | 141.39 | 0.0 | 42.85 |
| 0.791 | 30.05 | 6.98 | 0.3 | 3.91 | 139.24 | 0.0 | 42.85 |
| 0.797 | 30.05 | 6.98 | 0.5 | 3.92 | 131.34 | 0.0 | 42.85 |
| 0.8 | 30.05 | 6.98 | 0.42 | 3.9 | 137.99 | 0.0 | 42.85 |
| 0.804 | 30.05 | 6.98 | 0.23 | 3.89 | 144.44 | 0.0 | 42.85 |
| 0.807 | 30.05 | 6.98 | 0.3 | 3.88 | 141.06 | 0.0 | 42.85 |
| 0.812 | 30.05 | 6.98 | 0.3 | 3.88 | 137.48 | 0.0 | 42.85 |
| 0.821 | 30.05 | 6.98 | 0.38 | 3.89 | 138.7 | 0.0 | 42.85 |
| 0.827 | 30.05 | 6.98 | 0.38 | 3.88 | 147.89 | 0.0 | 42.85 |
| 0.83 | 30.05 | 6.98 | 0.42 | 3.87 | 133.59 | 0.0 | 42.85 |
| 0.835 | 30.05 | 6.98 | 0.38 | 3.84 | 146.26 | 0.0 | 42.85 |
| 0.841 | 30.05 | 6.98 | 0.23 | 3.82 | 143.14 | 0.0 | 42.85 |
| 0.85 | 30.05 | 6.98 | 0.23 | 3.8 | 139.18 | 0.0 | 42.85 |
| 0.854 | 30.05 | 6.98 | 0.11 | 3.86 | 138.44 | 0.0 | 42.85 |
| 0.858 | 30.05 | 6.98 | 0.27 | 3.87 | 149.31 | 0.0 | 42.85 |
| 0.86 | 30.05 | 6.98 | 0.38 | 3.84 | 138.28 | 0.0 | 42.85 |
| 0.862 | 30.05 | 6.98 | 0.19 | 3.84 | 143.34 | 0.0 | 42.85 |
| 0.87 | 30.05 | 6.98 | 0.27 | 3.85 | 140.83 | 0.0 | 42.85 |
| 0.877 | 30.05 | 6.98 | 0.46 | 3.87 | 143.17 | 0.0 | 42.85 |
| 0.882 | 30.05 | 6.98 | 0.3 | 3.89 | 139.7 | 0.0 | 42.85 |
| 0.887 | 30.05 | 6.98 | 0.27 | 3.9 | 142.77 | 0.0 | 42.85 |

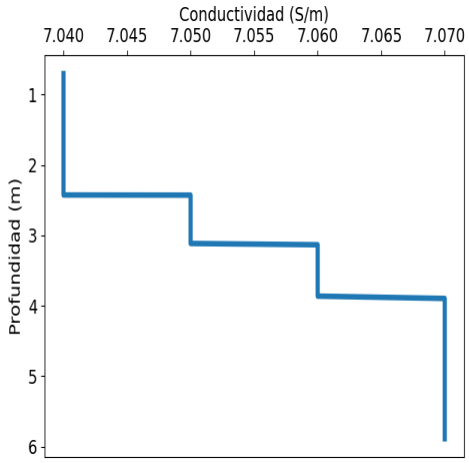
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.892 | 30.05 | 6.98 | 0.23 | 3.92 | 139.7 | 0.0 | 42.85 |
| 0.896 | 30.05 | 6.98 | 0.5 | 3.94 | 142.94 | 0.0 | 42.85 |
| 0.899 | 30.05 | 6.98 | 0.3 | 3.94 | 145.34 | 0.0 | 42.85 |
| 0.9 | 30.05 | 6.98 | 0.42 | 3.92 | 138.99 | 0.0 | 42.85 |
| 0.904 | 30.05 | 6.98 | 0.38 | 3.91 | 145.48 | 0.0 | 42.85 |
| 0.914 | 30.05 | 6.98 | 0.23 | 3.91 | 145.95 | 0.0 | 42.85 |
| 0.924 | 30.05 | 6.98 | 0.08 | 3.92 | 143.54 | 0.0 | 42.85 |
| 0.927 | 30.05 | 6.98 | 0.27 | 3.88 | 141.62 | 0.0 | 42.85 |
| 0.933 | 30.05 | 6.98 | 0.38 | 3.89 | 145.24 | 0.0 | 42.85 |
| 0.946 | 30.05 | 6.98 | 0.3 | 3.89 | 144.77 | 0.0 | 42.85 |
| 0.961 | 30.05 | 6.98 | 0.27 | 3.88 | 143.14 | 0.0 | 42.85 |
| 0.971 | 30.05 | 6.98 | 0.27 | 3.85 | 139.54 | 0.0 | 42.85 |
| 0.972 | 30.05 | 6.98 | 0.27 | 3.83 | 138.09 | 0.0 | 42.85 |
| 0.978 | 30.05 | 6.98 | 0.23 | 3.8 | 141.52 | 0.0 | 42.85 |
| 0.989 | 30.05 | 6.98 | 0.3 | 3.76 | 137.99 | 0.0 | 42.85 |
| 0.998 | 30.05 | 6.98 | 0.23 | 3.74 | 132.88 | 0.0 | 42.85 |
| 0.999 | 30.05 | 6.98 | 0.19 | 3.75 | 135.55 | 0.0 | 42.85 |
| 1.006 | 30.05 | 6.98 | 0.38 | 3.76 | 140.12 | 0.0 | 42.85 |
| 1.014 | 30.05 | 6.98 | 0.46 | 3.8 | 134.36 | 0.0 | 42.85 |
| 1.022 | 30.05 | 6.98 | 0.08 | 3.85 | 133.46 | 0.0 | 42.85 |
| 1.029 | 30.05 | 6.98 | 0.19 | 3.9 | 139.37 | 0.0 | 42.85 |
| 1.038 | 30.05 | 6.98 | 0.23 | 3.92 | 133.93 | 0.0 | 42.85 |
| 1.049 | 30.05 | 6.98 | 0.15 | 3.93 | 140.41 | 0.0 | 42.85 |
| 1.057 | 30.05 | 6.98 | 0.08 | 3.93 | 143.14 | 0.0 | 42.85 |
| 1.059 | 30.05 | 6.98 | 0.19 | 3.91 | 138.66 | 0.0 | 42.85 |
| 1.06 | 30.05 | 6.98 | 0.15 | 3.89 | 134.46 | 0.0 | 42.85 |
| 1.069 | 30.05 | 6.98 | 0.27 | 3.89 | 133.9 | 0.0 | 42.85 |
| 1.083 | 30.05 | 6.98 | 0.3 | 3.89 | 143.8 | 0.0 | 42.85 |
| 1.09 | 30.05 | 6.98 | 0.15 | 3.88 | 151.08 | 0.0 | 42.85 |
| 1.092 | 30.05 | 6.98 | 0.38 | 3.84 | 132.05 | 0.0 | 42.85 |
| 1.093 | 30.05 | 6.98 | 0.15 | 3.83 | 140.74 | 0.0 | 42.85 |
| 1.098 | 30.05 | 6.98 | 0.23 | 3.81 | 144.54 | 0.0 | 42.85 |
| 1.101 | 30.05 | 6.98 | 0.38 | 3.79 | 138.41 | 0.0 | 42.85 |
| 1.103 | 30.05 | 6.98 | 0.27 | 3.78 | 144.71 | 0.0 | 42.85 |
| 1.104 | 30.05 | 6.98 | 0.19 | 3.78 | 138.18 | 0.0 | 42.85 |
| 1.107 | 30.05 | 6.98 | 0.27 | 3.79 | 149.93 | 0.0 | 42.85 |
| 1.113 | 30.05 | 6.98 | 0.23 | 3.78 | 146.83 | 0.0 | 42.85 |
| 1.121 | 30.05 | 6.98 | 0.27 | 3.77 | 137.58 | 0.0 | 42.85 |
| 1.131 | 30.05 | 6.98 | 0.15 | 3.79 | 147.38 | 0.0 | 42.85 |
| 1.136 | 30.05 | 6.98 | 0.23 | 3.83 | 145.72 | 0.0 | 42.85 |
| 1.137 | 30.05 | 6.98 | 0.15 | 3.84 | 143.67 | 0.0 | 42.85 |
| 1.143 | 30.05 | 6.98 | 0.15 | 3.87 | 144.47 | 0.0 | 42.85 |
| 1.153 | 30.05 | 6.98 | 0.11 | 3.9 | 147.04 | 0.0 | 42.85 |
| 1.164 | 30.05 | 6.98 | 0.23 | 3.9 | 142.28 | 0.0 | 42.85 |
| 1.171 | 30.05 | 6.98 | 0.15 | 3.89 | 149.51 | 0.0 | 42.85 |
| 1.177 | 30.05 | 6.98 | 0.23 | 3.88 | 155.41 | 0.0 | 42.85 |
| 1.186 | 30.05 | 6.98 | 0.11 | 3.87 | 146.49 | 0.0 | 42.85 |
| 1.19 | 30.05 | 6.98 | 0.23 | 3.89 | 144.51 | 0.0 | 42.85 |
| 1.194 | 30.05 | 6.98 | 0.15 | 3.9 | 147.38 | 0.0 | 42.85 |
| 1.207 | 30.05 | 6.98 | 0.3 | 3.9 | 152.45 | 0.0 | 42.86 |
| 1.224 | 30.05 | 6.98 | 0.27 | 3.9 | 143.47 | 0.0 | 42.85 |
| 1.236 | 30.05 | 6.98 | 0.38 | 3.91 | 145.55 | 0.0 | 42.85 |
| 1.237 | 30.05 | 6.98 | 0.27 | 3.89 | 145.04 | 0.0 | 42.86 |
| 1.243 | 30.05 | 6.98 | 0.27 | 3.86 | 142.11 | 0.0 | 42.86 |
| 1.255 | 30.05 | 6.98 | 0.27 | 3.83 | 141.59 | 0.0 | 42.86 |
| 1.268 | 30.05 | 6.98 | 0.19 | 3.81 | 138.79 | 0.0 | 42.85 |
| 1.275 | 30.05 | 6.98 | 0.3 | 3.81 | 141.72 | 0.0 | 42.86 |
| 1.279 | 30.05 | 6.98 | 0.23 | 3.82 | 139.54 | 0.0 | 42.86 |

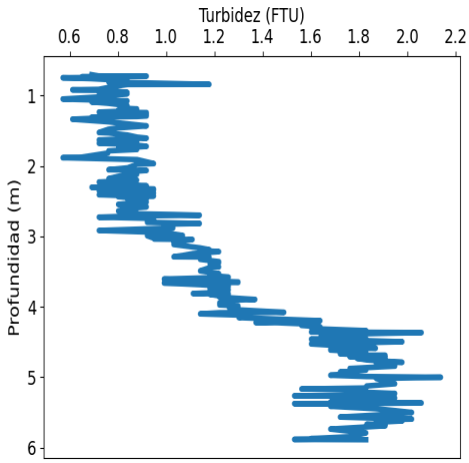
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.286 | 30.05 | 6.98 | 0.27 | 3.84 | 139.57 | 0.0 | 42.86 |
| 1.296 | 30.05 | 6.98 | 0.23 | 3.85 | 142.41 | 0.0 | 42.86 |
| 1.305 | 30.05 | 6.98 | 0.11 | 3.85 | 136.69 | 0.0 | 42.86 |
| 1.313 | 30.05 | 6.98 | 0.3 | 3.83 | 139.99 | 0.0 | 42.86 |
| 1.323 | 30.05 | 6.98 | 0.38 | 3.82 | 145.28 | 0.0 | 42.86 |
| 1.327 | 30.05 | 6.98 | 0.27 | 3.82 | 138.18 | 0.0 | 42.86 |
| 1.333 | 30.05 | 6.98 | 0.3 | 3.81 | 137.58 | 0.0 | 42.86 |
| 1.337 | 30.05 | 6.98 | 0.27 | 3.8 | 140.28 | 0.0 | 42.86 |
| 1.341 | 30.05 | 6.98 | 0.27 | 3.81 | 143.64 | 0.0 | 42.86 |
| 1.349 | 30.05 | 6.98 | 0.42 | 3.82 | 138.57 | 0.0 | 42.86 |
| 1.354 | 30.05 | 6.98 | 0.27 | 3.84 | 143.54 | 0.0 | 42.86 |
| 1.357 | 30.05 | 6.98 | 0.19 | 3.83 | 139.12 | 0.0 | 42.86 |
| 1.361 | 30.05 | 6.98 | 0.34 | 3.83 | 141.85 | 0.0 | 42.87 |
| 1.364 | 30.05 | 6.98 | 0.19 | 3.83 | 142.61 | 0.0 | 42.87 |
| 1.369 | 30.05 | 6.98 | 0.19 | 3.85 | 142.84 | 0.0 | 42.86 |
| 1.376 | 30.05 | 6.98 | 0.23 | 3.89 | 142.84 | 0.0 | 42.87 |
| 1.385 | 30.05 | 6.98 | 0.3 | 3.9 | 143.5 | 0.0 | 42.87 |
| 1.391 | 30.05 | 6.98 | 0.27 | 3.9 | 144.1 | 0.0 | 42.87 |
| 1.392 | 30.05 | 6.98 | 0.3 | 3.89 | 146.05 | 0.0 | 42.87 |
| 1.393 | 30.05 | 6.98 | 0.15 | 3.86 | 144.27 | 0.0 | 42.87 |
| 1.397 | 30.05 | 6.98 | 0.15 | 3.84 | 145.45 | 0.0 | 42.87 |
| 1.404 | 30.04 | 6.98 | 0.27 | 3.85 | 147.59 | 0.0 | 42.87 |
| 1.41 | 30.04 | 6.98 | 0.38 | 3.87 | 144.44 | 0.0 | 42.87 |
| 1.412 | 30.04 | 6.98 | 0.34 | 3.88 | 145.99 | 0.0 | 42.87 |
| 1.414 | 30.04 | 6.99 | 0.19 | 3.91 | 149.1 | 0.0 | 42.88 |
| 1.423 | 30.04 | 6.99 | 0.15 | 3.95 | 147.0 | 0.0 | 42.88 |
| 1.433 | 30.04 | 6.98 | 0.08 | 3.96 | 147.11 | 0.0 | 42.87 |
| 1.437 | 30.04 | 6.99 | 0.23 | 3.96 | 141.78 | 0.0 | 42.88 |
| 1.441 | 30.04 | 6.99 | 0.34 | 3.95 | 141.65 | 0.0 | 42.88 |
| 1.447 | 30.04 | 6.99 | 0.3 | 3.94 | 147.38 | 0.0 | 42.88 |
| 1.458 | 30.04 | 6.99 | 0.23 | 3.93 | 146.29 | 0.0 | 42.89 |
| 1.472 | 30.04 | 6.99 | 0.11 | 3.92 | 143.84 | 0.0 | 42.88 |
| 1.483 | 30.04 | 6.99 | 0.08 | 3.9 | 143.77 | 0.0 | 42.88 |
| 1.488 | 30.04 | 6.99 | 0.27 | 3.87 | 142.54 | 0.0 | 42.88 |
| 1.49 | 30.04 | 6.99 | 0.19 | 3.85 | 144.1 | 0.0 | 42.89 |
| 1.492 | 30.04 | 6.99 | 0.11 | 3.84 | 141.39 | 0.0 | 42.89 |
| 1.495 | 30.04 | 6.99 | 0.27 | 3.83 | 140.51 | 0.0 | 42.89 |
| 1.502 | 30.04 | 6.99 | 0.15 | 3.83 | 139.86 | 0.0 | 42.89 |
| 1.509 | 30.04 | 6.99 | 0.23 | 3.83 | 137.61 | 0.0 | 42.89 |
| 1.513 | 30.04 | 6.99 | 0.23 | 3.84 | 140.28 | 0.0 | 42.9 |
| 1.52 | 30.04 | 6.99 | 0.42 | 3.85 | 139.02 | 0.0 | 42.91 |
| 1.534 | 30.03 | 6.99 | 0.42 | 3.86 | 137.54 | 0.0 | 42.9 |
| 1.545 | 30.03 | 6.99 | 0.19 | 3.85 | 137.16 | 0.0 | 42.9 |
| 1.552 | 30.03 | 6.99 | 0.27 | 3.83 | 141.55 | 0.0 | 42.91 |
| 1.557 | 30.03 | 6.99 | 0.19 | 3.81 | 137.99 | 0.0 | 42.91 |
| 1.564 | 30.03 | 6.99 | 0.27 | 3.8 | 137.39 | 0.0 | 42.91 |
| 1.57 | 30.03 | 6.99 | 0.15 | 3.81 | 137.39 | 0.0 | 42.91 |
| 1.574 | 30.03 | 6.99 | 0.3 | 3.81 | 134.7 | 0.0 | 42.92 |
| 1.578 | 30.03 | 6.99 | 0.23 | 3.82 | 134.02 | 0.0 | 42.92 |
| 1.581 | 30.03 | 6.99 | 0.3 | 3.83 | 134.27 | 0.0 | 42.92 |
| 1.586 | 30.03 | 6.99 | 0.15 | 3.83 | 132.11 | 0.0 | 42.92 |
| 1.588 | 30.03 | 6.99 | 0.3 | 3.82 | 127.39 | 0.0 | 42.92 |

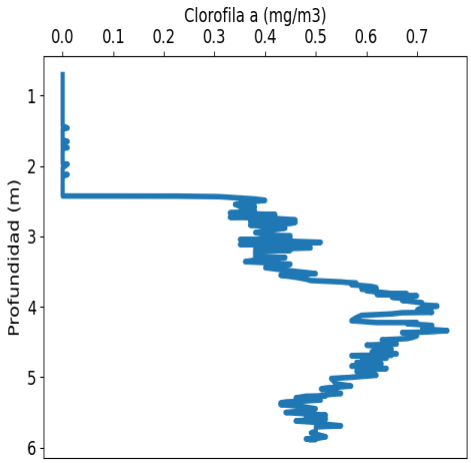
**Nombre: CTD N04 - Punto 015** **Fecha: 08/08/2022** **Hora: 09:08:56**

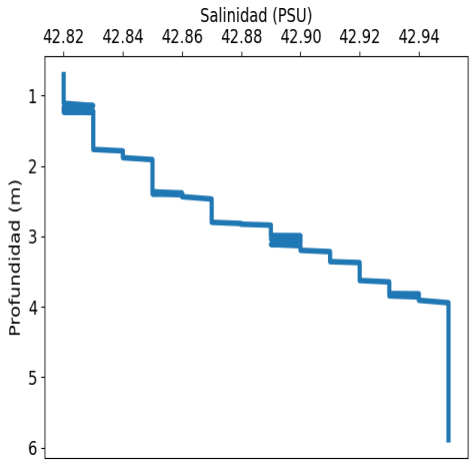


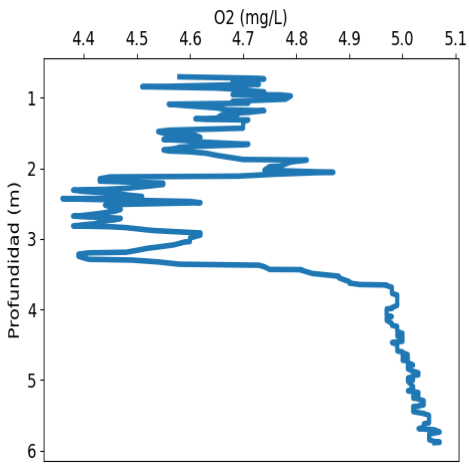



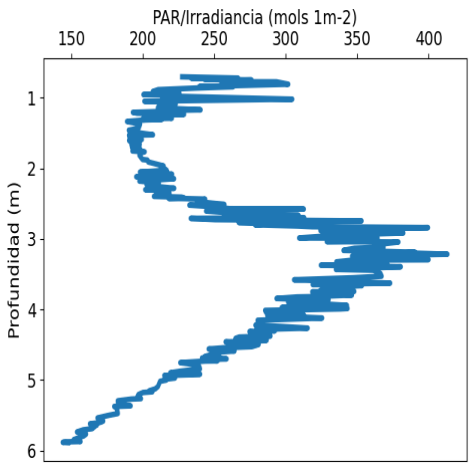




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.53 | 7.04 | 0.57 | 4.36 | 143.74 | 0.0 | 42.82 |
| **PROF (metros)** | 2.052 | 0.701 | 0.745 | 2.427 | 5.884 | 0.701 | 0.701 |
| **MÁXIMO** | 30.61 | 30.61 | 2.14 | 5.07 | 413.21 | 0.76 | 42.95 |
| **PROF (metros)** | 3.895 | 3.895 | 5.001 | 5.737 | 3.216 | 4.338 | 3.942 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N04 - Punto 015 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.55 | 7.04 | 0.77 | 4.69 | 242.49 | 0.0 | 42.82 |
| 1 - 2m | 30.55 | 7.04 | 0.8 | 4.66 | 205.09 | 0.0 | 42.83 |
| 2 - 3m | 30.54 | 7.05 | 0.87 | 4.5 | 250.95 | 0.2 | 42.86 |
| 3 - 4m | 30.58 | 7.06 | 1.17 | 4.79 | 344.56 | 0.52 | 42.92 |
| 4 - 5m | 30.61 | 7.07 | 1.7 | 5.0 | 261.6 | 0.64 | 42.95 |
| 5 - 6m | 30.61 | 7.07 | 1.82 | 5.04 | 178.94 | 0.5 | 42.95 |

| 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 | 30.55 | 7.04 | 0.69 | 4.58 | 227.39 | 0.0 | 42.82 |
| 0.719 | 30.55 | 7.04 | 0.72 | 4.71 | 266.58 | 0.0 | 42.82 |
| 0.722 | 30.55 | 7.04 | 0.92 | 4.73 | 233.91 | 0.0 | 42.82 |
| 0.731 | 30.55 | 7.04 | 0.65 | 4.74 | 262.23 | 0.0 | 42.82 |
| 0.738 | 30.55 | 7.04 | 0.8 | 4.72 | 243.03 | 0.0 | 42.82 |
| 0.745 | 30.55 | 7.04 | 0.57 | 4.7 | 276.01 | 0.0 | 42.82 |
| 0.758 | 30.55 | 7.04 | 0.69 | 4.69 | 254.38 | 0.0 | 42.82 |
| 0.771 | 30.55 | 7.04 | 0.76 | 4.68 | 259.27 | 0.0 | 42.82 |
| 0.772 | 30.55 | 7.04 | 0.84 | 4.7 | 293.42 | 0.0 | 42.82 |
| 0.806 | 30.55 | 7.04 | 0.76 | 4.73 | 301.77 | 0.0 | 42.82 |
| 0.839 | 30.56 | 7.04 | 1.18 | 4.54 | 239.4 | 0.0 | 42.82 |
| 0.841 | 30.56 | 7.04 | 0.84 | 4.51 | 263.2 | 0.0 | 42.82 |
| 0.86 | 30.55 | 7.04 | 0.8 | 4.65 | 237.24 | 0.0 | 42.82 |
| 0.883 | 30.56 | 7.04 | 0.76 | 4.7 | 210.6 | 0.0 | 42.82 |
| 0.91 | 30.55 | 7.04 | 0.72 | 4.73 | 206.78 | 0.0 | 42.82 |
| 0.916 | 30.55 | 7.04 | 0.61 | 4.74 | 219.57 | 0.0 | 42.82 |
| 0.927 | 30.55 | 7.04 | 0.76 | 4.69 | 225.5 | 0.0 | 42.82 |
| 0.953 | 30.55 | 7.04 | 0.84 | 4.68 | 200.22 | 0.0 | 42.82 |
| 0.957 | 30.55 | 7.04 | 0.72 | 4.77 | 216.39 | 0.0 | 42.82 |
| 0.972 | 30.55 | 7.04 | 0.84 | 4.79 | 212.9 | 0.0 | 42.82 |
| 1.018 | 30.55 | 7.04 | 0.72 | 4.78 | 304.58 | 0.0 | 42.82 |
| 1.047 | 30.55 | 7.04 | 0.57 | 4.68 | 200.87 | 0.0 | 42.82 |
| 1.052 | 30.55 | 7.04 | 0.61 | 4.7 | 223.06 | 0.0 | 42.82 |
| 1.074 | 30.55 | 7.04 | 0.84 | 4.71 | 218.15 | 0.0 | 42.82 |
| 1.089 | 30.55 | 7.04 | 0.69 | 4.56 | 222.95 | 0.0 | 42.82 |
| 1.108 | 30.55 | 7.04 | 0.76 | 4.59 | 211.18 | 0.0 | 42.82 |
| 1.141 | 30.55 | 7.04 | 0.84 | 4.65 | 210.35 | 0.0 | 42.83 |
| 1.169 | 30.55 | 7.04 | 0.84 | 4.67 | 240.4 | 0.0 | 42.82 |
| 1.181 | 30.55 | 7.04 | 0.84 | 4.74 | 210.35 | 0.0 | 42.82 |
| 1.188 | 30.55 | 7.04 | 0.88 | 4.73 | 219.21 | 0.0 | 42.82 |
| 1.205 | 30.55 | 7.04 | 0.8 | 4.71 | 192.84 | 0.0 | 42.82 |
| 1.217 | 30.55 | 7.04 | 0.84 | 4.68 | 195.91 | 0.0 | 42.83 |
| 1.233 | 30.55 | 7.04 | 0.72 | 4.69 | 228.82 | 0.0 | 42.82 |
| 1.24 | 30.55 | 7.04 | 0.92 | 4.66 | 210.26 | 0.0 | 42.83 |
| 1.288 | 30.55 | 7.04 | 0.92 | 4.65 | 220.28 | 0.0 | 42.83 |
| 1.296 | 30.55 | 7.04 | 0.88 | 4.61 | 199.76 | 0.0 | 42.83 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.305 | 30.55 | 7.04 | 0.69 | 4.63 | 213.2 | 0.0 | 42.83 |
| 1.312 | 30.55 | 7.04 | 0.76 | 4.71 | 201.9 | 0.0 | 42.83 |
| 1.334 | 30.55 | 7.04 | 0.61 | 4.7 | 188.73 | 0.0 | 42.83 |
| 1.371 | 30.55 | 7.04 | 0.76 | 4.7 | 198.01 | 0.0 | 42.83 |
| 1.429 | 30.55 | 7.04 | 0.92 | 4.7 | 196.95 | 0.0 | 42.83 |
| 1.458 | 30.55 | 7.04 | 0.8 | 4.56 | 190.0 | 0.01 | 42.83 |
| 1.477 | 30.55 | 7.04 | 0.76 | 4.54 | 190.67 | 0.0 | 42.83 |
| 1.523 | 30.55 | 7.04 | 0.72 | 4.56 | 207.06 | 0.0 | 42.83 |
| 1.529 | 30.55 | 7.04 | 0.76 | 4.61 | 190.14 | 0.0 | 42.83 |
| 1.559 | 30.55 | 7.04 | 0.84 | 4.62 | 190.53 | 0.0 | 42.83 |
| 1.589 | 30.55 | 7.04 | 0.88 | 4.55 | 199.25 | 0.0 | 42.83 |
| 1.603 | 30.55 | 7.04 | 0.92 | 4.59 | 190.18 | 0.0 | 42.83 |
| 1.629 | 30.55 | 7.04 | 0.72 | 4.63 | 191.55 | 0.0 | 42.83 |
| 1.65 | 30.55 | 7.04 | 0.88 | 4.69 | 196.13 | 0.01 | 42.83 |
| 1.655 | 30.55 | 7.04 | 0.88 | 4.71 | 197.78 | 0.0 | 42.83 |
| 1.664 | 30.55 | 7.04 | 0.88 | 4.7 | 191.86 | 0.0 | 42.83 |
| 1.676 | 30.55 | 7.04 | 0.72 | 4.65 | 195.95 | 0.0 | 42.83 |
| 1.69 | 30.55 | 7.04 | 0.84 | 4.6 | 197.59 | 0.0 | 42.83 |
| 1.699 | 30.55 | 7.04 | 0.8 | 4.58 | 192.17 | 0.0 | 42.83 |
| 1.704 | 30.55 | 7.04 | 0.88 | 4.58 | 193.29 | 0.0 | 42.83 |
| 1.72 | 30.55 | 7.04 | 0.92 | 4.57 | 196.5 | 0.0 | 42.83 |
| 1.738 | 30.55 | 7.04 | 0.84 | 4.55 | 198.42 | 0.01 | 42.83 |
| 1.752 | 30.55 | 7.04 | 0.8 | 4.56 | 192.53 | 0.0 | 42.83 |
| 1.764 | 30.55 | 7.04 | 0.88 | 4.6 | 201.24 | 0.0 | 42.83 |
| 1.784 | 30.54 | 7.04 | 0.76 | 4.63 | 197.69 | 0.0 | 42.84 |
| 1.814 | 30.54 | 7.04 | 0.76 | 4.65 | 197.46 | 0.0 | 42.84 |
| 1.873 | 30.54 | 7.04 | 0.65 | 4.7 | 199.67 | 0.0 | 42.84 |
| 1.881 | 30.54 | 7.04 | 0.57 | 4.82 | 203.12 | 0.0 | 42.84 |
| 1.908 | 30.54 | 7.04 | 0.88 | 4.79 | 203.64 | 0.0 | 42.85 |
| 1.965 | 30.54 | 7.04 | 0.95 | 4.77 | 214.49 | 0.0 | 42.85 |
| 1.973 | 30.54 | 7.04 | 0.88 | 4.75 | 212.36 | 0.01 | 42.85 |
| 2.025 | 30.54 | 7.04 | 0.84 | 4.74 | 216.59 | 0.0 | 42.85 |
| 2.052 | 30.53 | 7.04 | 0.76 | 4.86 | 197.78 | 0.0 | 42.85 |
| 2.054 | 30.53 | 7.04 | 0.8 | 4.87 | 217.04 | 0.0 | 42.85 |
| 2.062 | 30.53 | 7.04 | 0.92 | 4.83 | 199.85 | 0.0 | 42.85 |
| 2.082 | 30.53 | 7.04 | 0.84 | 4.76 | 220.44 | 0.0 | 42.85 |
| 2.109 | 30.53 | 7.04 | 0.84 | 4.69 | 200.17 | 0.0 | 42.85 |
| 2.118 | 30.53 | 7.04 | 0.88 | 4.47 | 195.18 | 0.0 | 42.85 |
| 2.12 | 30.53 | 7.04 | 0.84 | 4.45 | 205.63 | 0.01 | 42.85 |
| 2.146 | 30.53 | 7.04 | 0.8 | 4.43 | 221.82 | 0.0 | 42.85 |
| 2.179 | 30.53 | 7.04 | 0.76 | 4.43 | 197.41 | 0.0 | 42.85 |
| 2.2 | 30.53 | 7.04 | 0.88 | 4.52 | 208.56 | 0.0 | 42.85 |
| 2.208 | 30.53 | 7.04 | 0.84 | 4.55 | 211.18 | 0.0 | 42.85 |
| 2.227 | 30.53 | 7.04 | 0.72 | 4.55 | 202.37 | 0.0 | 42.85 |
| 2.252 | 30.53 | 7.04 | 0.8 | 4.52 | 207.55 | 0.0 | 42.85 |
| 2.281 | 30.53 | 7.04 | 0.92 | 4.48 | 221.92 | 0.0 | 42.85 |
| 2.297 | 30.53 | 7.04 | 0.84 | 4.44 | 211.63 | 0.0 | 42.85 |
| 2.301 | 30.53 | 7.04 | 0.69 | 4.4 | 201.48 | 0.0 | 42.85 |
| 2.307 | 30.53 | 7.04 | 0.72 | 4.38 | 212.02 | 0.0 | 42.85 |
| 2.325 | 30.53 | 7.04 | 0.95 | 4.4 | 210.45 | 0.0 | 42.85 |
| 2.34 | 30.53 | 7.04 | 0.95 | 4.43 | 209.38 | 0.0 | 42.85 |
| 2.35 | 30.53 | 7.04 | 0.72 | 4.45 | 218.6 | 0.0 | 42.85 |
| 2.365 | 30.53 | 7.04 | 0.76 | 4.47 | 214.74 | 0.0 | 42.85 |
| 2.383 | 30.53 | 7.04 | 0.95 | 4.49 | 208.7 | 0.0 | 42.86 |
| 2.396 | 30.53 | 7.04 | 0.92 | 4.51 | 207.59 | 0.0 | 42.85 |
| 2.407 | 30.53 | 7.04 | 0.72 | 4.51 | 227.07 | 0.0 | 42.86 |
| 2.417 | 30.53 | 7.04 | 0.8 | 4.48 | 228.87 | 0.0 | 42.86 |
| 2.425 | 30.53 | 7.04 | 0.95 | 4.44 | 217.95 | 0.0 | 42.86 |

| 2.427 | 30.53 | 7.05 | 0.92 | 4.36 | 228.39 | 0.23 | 42.86 |
|---|---|---|---|---|---|---|---|
| 2.435 | 30.53 | 7.05 | 0.8 | 4.39 | 243.59 | 0.31 | 42.86 |
| 2.468 | 30.53 | 7.05 | 0.92 | 4.6 | 237.63 | 0.38 | 42.87 |
| 2.486 | 30.53 | 7.05 | 0.84 | 4.62 | 245.41 | 0.4 | 42.87 |
| 2.511 | 30.53 | 7.05 | 0.92 | 4.46 | 257.05 | 0.37 | 42.87 |
| 2.52 | 30.53 | 7.05 | 0.88 | 4.44 | 232.4 | 0.36 | 42.87 |
| 2.544 | 30.53 | 7.05 | 0.8 | 4.45 | 250.12 | 0.34 | 42.87 |
| 2.57 | 30.53 | 7.05 | 0.84 | 4.46 | 260.29 | 0.35 | 42.87 |
| 2.576 | 30.53 | 7.05 | 0.88 | 4.47 | 312.66 | 0.35 | 42.87 |
| 2.579 | 30.53 | 7.05 | 0.92 | 4.47 | 253.91 | 0.38 | 42.87 |
| 2.604 | 30.53 | 7.05 | 0.84 | 4.46 | 244.1 | 0.37 | 42.87 |
| 2.638 | 30.53 | 7.05 | 0.8 | 4.43 | 266.33 | 0.38 | 42.87 |
| 2.665 | 30.53 | 7.05 | 0.84 | 4.4 | 308.99 | 0.33 | 42.87 |
| 2.672 | 30.53 | 7.05 | 0.88 | 4.39 | 274.6 | 0.35 | 42.87 |
| 2.676 | 30.53 | 7.05 | 0.84 | 4.38 | 256.69 | 0.36 | 42.87 |
| 2.688 | 30.54 | 7.05 | 1.03 | 4.41 | 264.61 | 0.42 | 42.87 |
| 2.698 | 30.54 | 7.05 | 1.14 | 4.45 | 312.88 | 0.36 | 42.87 |
| 2.708 | 30.54 | 7.05 | 0.88 | 4.47 | 233.37 | 0.39 | 42.87 |
| 2.726 | 30.54 | 7.05 | 0.72 | 4.46 | 250.41 | 0.33 | 42.87 |
| 2.744 | 30.54 | 7.05 | 0.95 | 4.44 | 353.12 | 0.42 | 42.87 |
| 2.766 | 30.54 | 7.05 | 0.95 | 4.43 | 266.95 | 0.46 | 42.87 |
| 2.785 | 30.54 | 7.05 | 0.92 | 4.42 | 287.63 | 0.37 | 42.87 |
| 2.799 | 30.55 | 7.05 | 0.92 | 4.4 | 278.39 | 0.46 | 42.87 |
| 2.816 | 30.55 | 7.05 | 1.14 | 4.38 | 308.13 | 0.45 | 42.88 |
| 2.826 | 30.55 | 7.05 | 0.99 | 4.45 | 318.37 | 0.39 | 42.88 |
| 2.839 | 30.55 | 7.05 | 0.99 | 4.48 | 399.65 | 0.37 | 42.89 |
| 2.88 | 30.55 | 7.05 | 1.03 | 4.53 | 324.18 | 0.44 | 42.89 |
| 2.915 | 30.55 | 7.05 | 0.72 | 4.62 | 382.34 | 0.41 | 42.89 |
| 2.944 | 30.55 | 7.05 | 0.99 | 4.62 | 337.28 | 0.38 | 42.89 |
| 2.986 | 30.56 | 7.05 | 1.07 | 4.6 | 309.28 | 0.41 | 42.89 |
| 2.989 | 30.56 | 7.05 | 0.92 | 4.6 | 364.34 | 0.45 | 42.9 |
| 3.027 | 30.56 | 7.05 | 0.95 | 4.6 | 359.48 | 0.45 | 42.9 |
| 3.037 | 30.56 | 7.05 | 0.95 | 4.6 | 328.64 | 0.43 | 42.89 |
| 3.043 | 30.56 | 7.05 | 1.11 | 4.59 | 378.9 | 0.35 | 42.9 |
| 3.083 | 30.56 | 7.05 | 1.03 | 4.57 | 362.16 | 0.51 | 42.9 |
| 3.114 | 30.57 | 7.05 | 1.03 | 4.54 | 368.51 | 0.35 | 42.89 |
| 3.132 | 30.57 | 7.06 | 1.07 | 4.52 | 348.0 | 0.46 | 42.9 |
| 3.162 | 30.57 | 7.06 | 1.14 | 4.5 | 340.34 | 0.49 | 42.9 |
| 3.188 | 30.57 | 7.06 | 1.18 | 4.48 | 390.58 | 0.38 | 42.9 |
| 3.197 | 30.57 | 7.06 | 1.14 | 4.41 | 383.58 | 0.45 | 42.9 |
| 3.216 | 30.57 | 7.06 | 1.22 | 4.39 | 413.21 | 0.38 | 42.91 |
| 3.244 | 30.57 | 7.06 | 1.11 | 4.39 | 346.31 | 0.38 | 42.91 |
| 3.269 | 30.57 | 7.06 | 1.07 | 4.4 | 381.72 | 0.38 | 42.91 |
| 3.289 | 30.57 | 7.06 | 1.03 | 4.41 | 352.22 | 0.38 | 42.91 |
| 3.292 | 30.57 | 7.06 | 1.18 | 4.44 | 400.02 | 0.41 | 42.91 |
| 3.299 | 30.57 | 7.06 | 1.14 | 4.49 | 347.44 | 0.44 | 42.91 |
| 3.325 | 30.58 | 7.06 | 1.14 | 4.54 | 335.33 | 0.39 | 42.91 |
| 3.358 | 30.58 | 7.06 | 1.22 | 4.58 | 371.25 | 0.36 | 42.91 |
| 3.372 | 30.58 | 7.06 | 1.22 | 4.73 | 324.48 | 0.4 | 42.92 |
| 3.394 | 30.58 | 7.06 | 1.18 | 4.74 | 380.57 | 0.45 | 42.92 |
| 3.432 | 30.58 | 7.06 | 1.22 | 4.75 | 335.02 | 0.42 | 42.92 |
| 3.435 | 30.58 | 7.06 | 1.18 | 4.81 | 342.8 | 0.43 | 42.92 |
| 3.443 | 30.58 | 7.06 | 1.18 | 4.81 | 361.23 | 0.4 | 42.92 |
| 3.489 | 30.58 | 7.06 | 1.14 | 4.83 | 366.29 | 0.45 | 42.92 |
| 3.528 | 30.58 | 7.06 | 1.22 | 4.88 | 367.14 | 0.5 | 42.92 |
| 3.55 | 30.58 | 7.06 | 1.18 | 4.88 | 347.2 | 0.43 | 42.92 |
| 3.579 | 30.58 | 7.06 | 1.26 | 4.89 | 305.71 | 0.46 | 42.92 |
| 3.605 | 30.58 | 7.06 | 0.99 | 4.9 | 343.67 | 0.48 | 42.92 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.626 | 30.59 | 7.06 | 1.11 | 4.9 | 373.15 | 0.49 | 42.92 |
| 3.646 | 30.59 | 7.06 | 1.3 | 4.92 | 318.74 | 0.55 | 42.93 |
| 3.653 | 30.59 | 7.06 | 1.3 | 4.97 | 349.38 | 0.56 | 42.93 |
| 3.661 | 30.59 | 7.06 | 0.99 | 4.97 | 353.37 | 0.58 | 42.93 |
| 3.685 | 30.59 | 7.06 | 1.14 | 4.98 | 331.85 | 0.57 | 42.93 |
| 3.711 | 30.59 | 7.06 | 1.26 | 4.98 | 328.41 | 0.61 | 42.93 |
| 3.729 | 30.59 | 7.06 | 1.18 | 4.98 | 324.1 | 0.62 | 42.93 |
| 3.743 | 30.59 | 7.06 | 1.18 | 4.98 | 348.0 | 0.59 | 42.93 |
| 3.75 | 30.59 | 7.06 | 1.18 | 4.98 | 318.44 | 0.59 | 42.93 |
| 3.757 | 30.59 | 7.06 | 1.26 | 4.98 | 328.72 | 0.62 | 42.93 |
| 3.772 | 30.59 | 7.06 | 1.22 | 4.98 | 329.55 | 0.6 | 42.93 |
| 3.795 | 30.59 | 7.06 | 1.22 | 4.99 | 346.39 | 0.63 | 42.93 |
| 3.811 | 30.59 | 7.06 | 1.11 | 4.99 | 327.27 | 0.65 | 42.93 |
| 3.815 | 30.59 | 7.06 | 1.26 | 4.99 | 327.35 | 0.68 | 42.94 |
| 3.822 | 30.6 | 7.06 | 1.18 | 4.99 | 307.92 | 0.62 | 42.94 |
| 3.844 | 30.6 | 7.06 | 1.22 | 4.99 | 293.42 | 0.7 | 42.93 |
| 3.86 | 30.6 | 7.06 | 1.22 | 4.99 | 317.41 | 0.67 | 42.94 |
| 3.862 | 30.6 | 7.06 | 1.22 | 4.99 | 330.01 | 0.65 | 42.94 |
| 3.895 | 30.61 | 7.07 | 1.37 | 4.99 | 301.56 | 0.69 | 42.94 |
| 3.907 | 30.61 | 7.07 | 1.26 | 4.99 | 314.48 | 0.67 | 42.94 |
| 3.942 | 30.6 | 7.07 | 1.22 | 4.99 | 342.88 | 0.71 | 42.95 |
| 3.973 | 30.6 | 7.07 | 1.22 | 4.98 | 297.05 | 0.71 | 42.95 |
| 3.986 | 30.61 | 7.07 | 1.3 | 4.98 | 343.28 | 0.74 | 42.95 |
| 3.992 | 30.61 | 7.07 | 1.3 | 4.97 | 338.22 | 0.74 | 42.95 |
| 4.013 | 30.61 | 7.07 | 1.26 | 4.97 | 285.44 | 0.71 | 42.95 |
| 4.043 | 30.61 | 7.07 | 1.3 | 4.97 | 286.24 | 0.7 | 42.95 |
| 4.078 | 30.61 | 7.07 | 1.49 | 4.97 | 312.74 | 0.73 | 42.95 |
| 4.084 | 30.61 | 7.07 | 1.22 | 4.97 | 286.97 | 0.67 | 42.95 |
| 4.1 | 30.61 | 7.07 | 1.14 | 4.98 | 302.19 | 0.65 | 42.95 |
| 4.121 | 30.61 | 7.07 | 1.34 | 4.97 | 325.53 | 0.59 | 42.95 |
| 4.153 | 30.61 | 7.07 | 1.3 | 4.97 | 280.2 | 0.58 | 42.95 |
| 4.197 | 30.61 | 7.07 | 1.64 | 4.98 | 281.5 | 0.57 | 42.95 |
| 4.223 | 30.61 | 7.07 | 1.37 | 4.98 | 278.64 | 0.62 | 42.95 |
| 4.224 | 30.61 | 7.07 | 1.45 | 4.98 | 280.2 | 0.7 | 42.95 |
| 4.24 | 30.61 | 7.07 | 1.56 | 4.99 | 296.36 | 0.68 | 42.95 |
| 4.264 | 30.61 | 7.07 | 1.56 | 4.99 | 315.36 | 0.73 | 42.95 |
| 4.284 | 30.61 | 7.07 | 1.64 | 4.99 | 279.23 | 0.71 | 42.95 |
| 4.295 | 30.61 | 7.07 | 1.6 | 4.99 | 285.31 | 0.73 | 42.95 |
| 4.303 | 30.61 | 7.07 | 1.64 | 4.99 | 292.34 | 0.71 | 42.95 |
| 4.314 | 30.61 | 7.07 | 1.64 | 4.99 | 274.48 | 0.71 | 42.95 |
| 4.338 | 30.61 | 7.07 | 1.83 | 5.0 | 284.98 | 0.76 | 42.95 |
| 4.357 | 30.61 | 7.07 | 1.6 | 5.0 | 282.74 | 0.72 | 42.95 |
| 4.366 | 30.61 | 7.07 | 2.06 | 4.99 | 284.91 | 0.67 | 42.95 |
| 4.376 | 30.61 | 7.07 | 1.91 | 4.99 | 289.31 | 0.69 | 42.95 |
| 4.391 | 30.61 | 7.07 | 1.72 | 5.0 | 267.32 | 0.68 | 42.95 |
| 4.411 | 30.61 | 7.07 | 1.64 | 5.0 | 264.67 | 0.7 | 42.95 |
| 4.436 | 30.61 | 7.07 | 1.79 | 5.0 | 286.64 | 0.69 | 42.95 |
| 4.451 | 30.61 | 7.07 | 1.83 | 5.0 | 279.48 | 0.68 | 42.95 |
| 4.459 | 30.61 | 7.07 | 1.6 | 4.99 | 257.77 | 0.66 | 42.95 |
| 4.469 | 30.61 | 7.07 | 1.72 | 4.98 | 262.65 | 0.63 | 42.95 |
| 4.496 | 30.61 | 7.07 | 1.98 | 4.99 | 281.04 | 0.64 | 42.95 |
| 4.527 | 30.61 | 7.07 | 1.6 | 4.99 | 276.2 | 0.66 | 42.95 |
| 4.544 | 30.61 | 7.07 | 1.68 | 4.99 | 255.98 | 0.6 | 42.95 |
| 4.56 | 30.61 | 7.07 | 1.72 | 4.99 | 245.92 | 0.62 | 42.95 |
| 4.588 | 30.61 | 7.07 | 1.87 | 4.99 | 264.12 | 0.63 | 42.95 |
| 4.602 | 30.61 | 7.07 | 1.68 | 5.0 | 254.62 | 0.65 | 42.95 |
| 4.614 | 30.61 | 7.07 | 1.68 | 5.0 | 248.5 | 0.62 | 42.95 |
| 4.641 | 30.61 | 7.07 | 1.83 | 5.01 | 247.58 | 0.61 | 42.95 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.668 | 30.61 | 7.07 | 1.72 | 5.0 | 243.2 | 0.66 | 42.95 |
| 4.683 | 30.61 | 7.07 | 1.83 | 5.01 | 254.27 | 0.61 | 42.95 |
| 4.687 | 30.61 | 7.07 | 1.76 | 5.01 | 249.71 | 0.65 | 42.95 |
| 4.689 | 30.61 | 7.07 | 1.91 | 5.01 | 241.23 | 0.59 | 42.95 |
| 4.693 | 30.61 | 7.07 | 1.76 | 5.01 | 246.72 | 0.57 | 42.95 |
| 4.7 | 30.61 | 7.07 | 1.83 | 5.01 | 258.61 | 0.59 | 42.95 |
| 4.709 | 30.61 | 7.07 | 1.76 | 5.0 | 248.15 | 0.6 | 42.95 |
| 4.72 | 30.61 | 7.07 | 1.91 | 5.0 | 243.82 | 0.59 | 42.95 |
| 4.729 | 30.61 | 7.07 | 1.91 | 5.01 | 252.1 | 0.64 | 42.95 |
| 4.731 | 30.61 | 7.07 | 1.79 | 5.01 | 243.59 | 0.6 | 42.95 |
| 4.754 | 30.61 | 7.07 | 1.83 | 5.01 | 226.02 | 0.62 | 42.95 |
| 4.788 | 30.61 | 7.07 | 1.98 | 5.02 | 238.95 | 0.61 | 42.95 |
| 4.79 | 30.61 | 7.07 | 1.87 | 5.01 | 238.18 | 0.58 | 42.95 |
| 4.808 | 30.61 | 7.07 | 1.87 | 5.01 | 239.4 | 0.63 | 42.95 |
| 4.842 | 30.61 | 7.07 | 1.95 | 5.01 | 239.95 | 0.57 | 42.95 |
| 4.876 | 30.61 | 7.07 | 1.76 | 5.02 | 225.81 | 0.64 | 42.95 |
| 4.898 | 30.61 | 7.07 | 1.83 | 5.03 | 219.01 | 0.6 | 42.95 |
| 4.909 | 30.61 | 7.07 | 1.79 | 5.03 | 221.05 | 0.6 | 42.95 |
| 4.917 | 30.61 | 7.07 | 1.79 | 5.03 | 240.06 | 0.58 | 42.95 |
| 4.926 | 30.61 | 7.07 | 1.72 | 5.03 | 231.81 | 0.59 | 42.95 |
| 4.937 | 30.61 | 7.07 | 1.79 | 5.02 | 214.84 | 0.61 | 42.95 |
| 4.95 | 30.61 | 7.07 | 1.76 | 5.02 | 221.61 | 0.6 | 42.95 |
| 4.972 | 30.61 | 7.07 | 1.68 | 5.01 | 222.44 | 0.62 | 42.95 |
| 4.99 | 30.61 | 7.07 | 1.83 | 5.01 | 215.14 | 0.59 | 42.95 |
| 5.001 | 30.61 | 7.07 | 2.14 | 5.02 | 216.24 | 0.57 | 42.95 |
| 5.018 | 30.61 | 7.07 | 1.87 | 5.01 | 211.97 | 0.53 | 42.95 |
| 5.093 | 30.61 | 7.07 | 1.95 | 5.02 | 210.45 | 0.54 | 42.95 |
| 5.125 | 30.61 | 7.07 | 1.83 | 5.02 | 208.61 | 0.57 | 42.95 |
| 5.153 | 30.61 | 7.07 | 1.83 | 5.01 | 204.35 | 0.52 | 42.95 |
| 5.167 | 30.61 | 7.07 | 1.56 | 5.02 | 206.59 | 0.51 | 42.95 |
| 5.177 | 30.61 | 7.07 | 1.76 | 5.03 | 200.04 | 0.54 | 42.95 |
| 5.205 | 30.61 | 7.07 | 1.76 | 5.03 | 196.86 | 0.53 | 42.95 |
| 5.231 | 30.61 | 7.07 | 1.95 | 5.02 | 196.13 | 0.55 | 42.95 |
| 5.243 | 30.61 | 7.07 | 1.87 | 5.02 | 197.04 | 0.53 | 42.95 |
| 5.257 | 30.61 | 7.07 | 1.72 | 5.02 | 198.42 | 0.51 | 42.95 |
| 5.264 | 30.61 | 7.07 | 1.53 | 5.03 | 198.65 | 0.52 | 42.95 |
| 5.27 | 30.61 | 7.07 | 1.87 | 5.03 | 191.91 | 0.48 | 42.95 |
| 5.295 | 30.61 | 7.07 | 1.95 | 5.04 | 182.28 | 0.46 | 42.95 |
| 5.324 | 30.61 | 7.07 | 1.76 | 5.04 | 182.45 | 0.51 | 42.95 |
| 5.352 | 30.61 | 7.07 | 1.68 | 5.04 | 184.79 | 0.44 | 42.95 |
| 5.366 | 30.61 | 7.07 | 2.06 | 5.03 | 191.42 | 0.43 | 42.95 |
| 5.372 | 30.61 | 7.07 | 1.87 | 5.03 | 184.15 | 0.44 | 42.95 |
| 5.375 | 30.61 | 7.07 | 1.53 | 5.02 | 179.76 | 0.45 | 42.95 |
| 5.388 | 30.61 | 7.07 | 1.79 | 5.02 | 180.77 | 0.43 | 42.95 |
| 5.413 | 30.61 | 7.07 | 1.68 | 5.02 | 181.78 | 0.47 | 42.95 |
| 5.448 | 30.61 | 7.07 | 1.87 | 5.02 | 182.2 | 0.5 | 42.95 |
| 5.475 | 30.61 | 7.07 | 1.95 | 5.04 | 182.41 | 0.48 | 42.95 |
| 5.501 | 30.61 | 7.07 | 2.02 | 5.05 | 175.89 | 0.44 | 42.95 |
| 5.538 | 30.61 | 7.07 | 1.87 | 5.05 | 168.08 | 0.52 | 42.95 |
| 5.566 | 30.61 | 7.07 | 1.72 | 5.05 | 169.92 | 0.49 | 42.95 |
| 5.582 | 30.61 | 7.07 | 1.87 | 5.05 | 172.18 | 0.48 | 42.95 |
| 5.595 | 30.61 | 7.07 | 2.02 | 5.05 | 170.79 | 0.52 | 42.95 |
| 5.606 | 30.61 | 7.07 | 1.87 | 5.05 | 169.02 | 0.49 | 42.95 |
| 5.621 | 30.61 | 7.07 | 1.98 | 5.04 | 162.79 | 0.46 | 42.95 |
| 5.641 | 30.61 | 7.07 | 1.87 | 5.04 | 167.65 | 0.5 | 42.95 |
| 5.663 | 30.61 | 7.07 | 1.91 | 5.04 | 163.62 | 0.51 | 42.95 |
| 5.669 | 30.61 | 7.07 | 1.83 | 5.04 | 165.72 | 0.52 | 42.95 |
| 5.69 | 30.61 | 7.07 | 1.91 | 5.03 | 164.3 | 0.55 | 42.95 |

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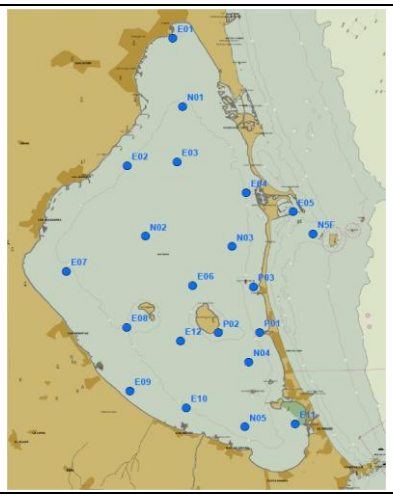
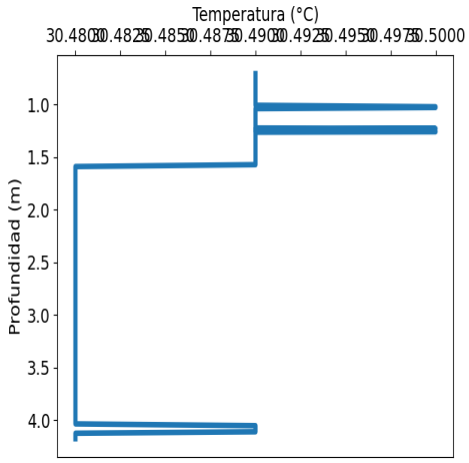
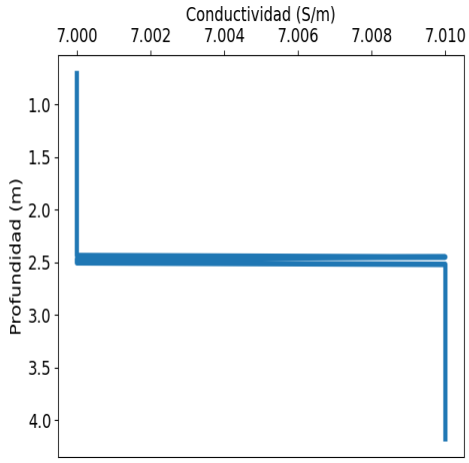
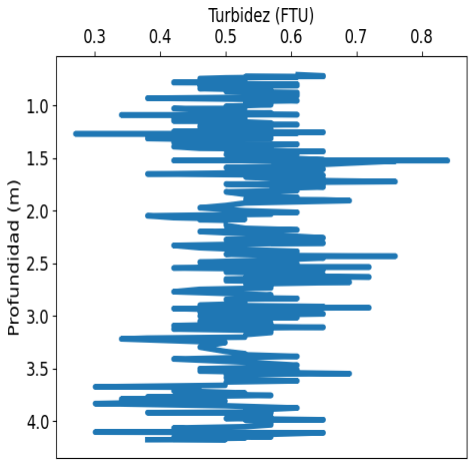
|---|---|---|---|---|---|---|---|
| 5.706 | 30.61 | 7.07 | 1.83 | 5.06 | 158.18 | 0.5 | 42.95 |
| 5.737 | 30.61 | 7.07 | 1.68 | 5.07 | 153.69 | 0.5 | 42.95 |
| 5.767 | 30.61 | 7.07 | 1.76 | 5.05 | 160.17 | 0.5 | 42.95 |
| 5.791 | 30.61 | 7.07 | 1.83 | 5.05 | 158.65 | 0.49 | 42.95 |
| 5.846 | 30.61 | 7.07 | 1.76 | 5.05 | 151.4 | 0.52 | 42.95 |
| 5.872 | 30.61 | 7.07 | 1.6 | 5.06 | 156.32 | 0.5 | 42.95 |
| 5.877 | 30.61 | 7.07 | 1.68 | 5.07 | 145.68 | 0.48 | 42.95 |
| 5.884 | 30.61 | 7.07 | 1.53 | 5.07 | 143.74 | 0.5 | 42.95 |
| 5.888 | 30.61 | 7.07 | 1.83 | 5.06 | 147.55 | 0.49 | 42.95 |

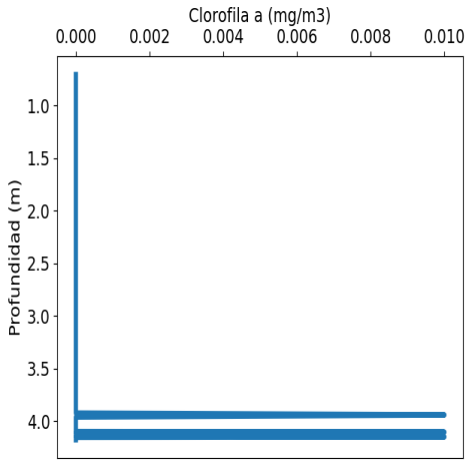
**Nombre: CTD E11 - Punto 016** **Fecha: 08/08/2022** **Hora: 09:08:48**

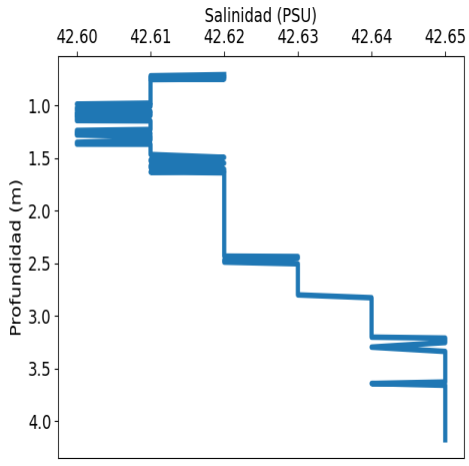


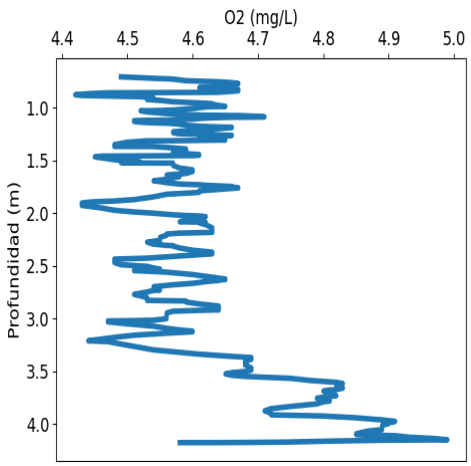



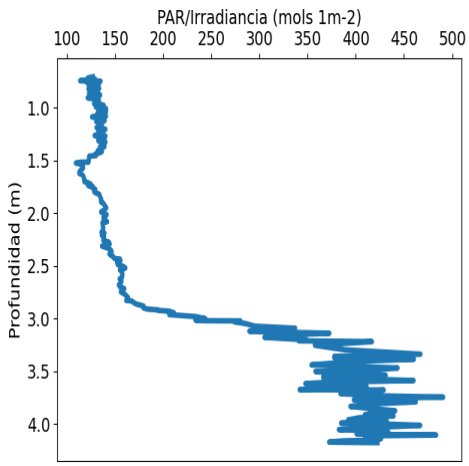




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.48 | 7.0 | 0.27 | 4.42 | 109.22 | 0.0 | 42.6 |
| **PROF (metros)** | 1.604 | 0.705 | 1.268 | 0.875 | 1.524 | 0.705 | 0.985 |
| **MÁXIMO** | 30.5 | 30.5 | 0.84 | 4.99 | 490.86 | 0.01 | 42.65 |
| **PROF (metros)** | 1.02 | 2.45 | 1.523 | 4.152 | 3.747 | 3.943 | 3.212 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E11 - Punto 016 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.49 | 7.0 | 0.54 | 4.59 | 128.32 | 0.0 | 42.61 |
| 1 - 2m | 30.49 | 7.0 | 0.54 | 4.57 | 130.43 | 0.0 | 42.61 |
| 2 - 3m | 30.48 | 7.01 | 0.55 | 4.58 | 155.0 | 0.0 | 42.63 |
| 3 - 4m | 30.48 | 7.01 | 0.51 | 4.69 | 379.68 | 0.0 | 42.65 |
| 4 - 5m | 30.49 | 7.01 | 0.49 | 4.85 | 418.36 | 0.0 | 42.65 |

| 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) |
| 0.705 | 30.49 | 7.0 | 0.61 | 4.49 | 127.15 | 0.0 | 42.62 |
| 0.716 | 30.49 | 7.0 | 0.65 | 4.53 | 121.59 | 0.0 | 42.61 |
| 0.722 | 30.49 | 7.0 | 0.65 | 4.55 | 125.77 | 0.0 | 42.61 |
| 0.723 | 30.49 | 7.0 | 0.53 | 4.56 | 122.66 | 0.0 | 42.62 |
| 0.727 | 30.49 | 7.0 | 0.61 | 4.57 | 129.41 | 0.0 | 42.62 |
| 0.735 | 30.49 | 7.0 | 0.5 | 4.58 | 128.19 | 0.0 | 42.61 |
| 0.742 | 30.49 | 7.0 | 0.46 | 4.59 | 113.71 | 0.0 | 42.61 |
| 0.746 | 30.49 | 7.0 | 0.46 | 4.61 | 129.32 | 0.0 | 42.61 |
| 0.747 | 30.49 | 7.0 | 0.53 | 4.62 | 135.02 | 0.0 | 42.62 |
| 0.752 | 30.49 | 7.0 | 0.53 | 4.64 | 119.94 | 0.0 | 42.61 |
| 0.76 | 30.49 | 7.0 | 0.53 | 4.66 | 127.48 | 0.0 | 42.61 |
| 0.769 | 30.49 | 7.0 | 0.53 | 4.67 | 127.09 | 0.0 | 42.61 |
| 0.777 | 30.49 | 7.0 | 0.42 | 4.66 | 122.15 | 0.0 | 42.61 |
| 0.781 | 30.49 | 7.0 | 0.42 | 4.65 | 133.12 | 0.0 | 42.61 |
| 0.783 | 30.49 | 7.0 | 0.53 | 4.64 | 126.71 | 0.0 | 42.61 |
| 0.788 | 30.49 | 7.0 | 0.46 | 4.65 | 128.13 | 0.0 | 42.61 |
| 0.796 | 30.49 | 7.0 | 0.61 | 4.65 | 129.62 | 0.0 | 42.61 |
| 0.804 | 30.49 | 7.0 | 0.46 | 4.63 | 124.44 | 0.0 | 42.61 |
| 0.808 | 30.49 | 7.0 | 0.5 | 4.61 | 132.84 | 0.0 | 42.61 |
| 0.809 | 30.49 | 7.0 | 0.61 | 4.62 | 127.71 | 0.0 | 42.61 |
| 0.814 | 30.49 | 7.0 | 0.46 | 4.63 | 133.62 | 0.0 | 42.61 |
| 0.82 | 30.49 | 7.0 | 0.5 | 4.63 | 122.27 | 0.0 | 42.61 |
| 0.824 | 30.49 | 7.0 | 0.5 | 4.67 | 132.38 | 0.0 | 42.61 |
| 0.827 | 30.49 | 7.0 | 0.5 | 4.67 | 131.74 | 0.0 | 42.61 |
| 0.838 | 30.49 | 7.0 | 0.46 | 4.67 | 124.58 | 0.0 | 42.61 |
| 0.852 | 30.49 | 7.0 | 0.57 | 4.64 | 126.77 | 0.0 | 42.61 |
| 0.857 | 30.49 | 7.0 | 0.57 | 4.47 | 127.33 | 0.0 | 42.61 |
| 0.865 | 30.49 | 7.0 | 0.5 | 4.44 | 122.81 | 0.0 | 42.61 |
| 0.875 | 30.49 | 7.0 | 0.61 | 4.42 | 134.46 | 0.0 | 42.61 |
| 0.882 | 30.49 | 7.0 | 0.61 | 4.43 | 123.72 | 0.0 | 42.61 |
| 0.886 | 30.49 | 7.0 | 0.61 | 4.46 | 134.08 | 0.0 | 42.61 |
| 0.894 | 30.49 | 7.0 | 0.61 | 4.52 | 131.71 | 0.0 | 42.61 |
| 0.905 | 30.49 | 7.0 | 0.61 | 4.54 | 121.45 | 0.0 | 42.61 |
| 0.913 | 30.49 | 7.0 | 0.53 | 4.53 | 126.83 | 0.0 | 42.61 |
| 0.92 | 30.49 | 7.0 | 0.53 | 4.53 | 132.17 | 0.0 | 42.61 |
| 0.929 | 30.49 | 7.0 | 0.38 | 4.55 | 133.21 | 0.0 | 42.61 |
| 0.942 | 30.49 | 7.0 | 0.57 | 4.57 | 130.34 | 0.0 | 42.61 |

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|---|---|---|---|---|---|---|---|
| 0.953 | 30.49 | 7.0 | 0.61 | 4.61 | 131.47 | 0.0 | 42.61 |
| 0.96 | 30.49 | 7.0 | 0.53 | 4.63 | 128.07 | 0.0 | 42.61 |
| 0.967 | 30.49 | 7.0 | 0.53 | 4.63 | 135.27 | 0.0 | 42.61 |
| 0.976 | 30.49 | 7.0 | 0.53 | 4.64 | 138.34 | 0.0 | 42.61 |
| 0.985 | 30.49 | 7.0 | 0.53 | 4.65 | 133.43 | 0.0 | 42.6 |
| 0.991 | 30.49 | 7.0 | 0.57 | 4.62 | 129.83 | 0.0 | 42.61 |
| 1.006 | 30.49 | 7.0 | 0.5 | 4.6 | 140.8 | 0.0 | 42.61 |
| 1.02 | 30.5 | 7.0 | 0.53 | 4.57 | 140.22 | 0.0 | 42.6 |
| 1.026 | 30.5 | 7.0 | 0.53 | 4.54 | 132.75 | 0.0 | 42.6 |
| 1.027 | 30.5 | 7.0 | 0.42 | 4.52 | 135.74 | 0.0 | 42.6 |
| 1.038 | 30.49 | 7.0 | 0.46 | 4.53 | 140.7 | 0.0 | 42.6 |
| 1.054 | 30.49 | 7.0 | 0.5 | 4.56 | 131.44 | 0.0 | 42.61 |
| 1.064 | 30.49 | 7.0 | 0.46 | 4.59 | 133.18 | 0.0 | 42.6 |
| 1.069 | 30.49 | 7.0 | 0.57 | 4.62 | 133.21 | 0.0 | 42.6 |
| 1.073 | 30.49 | 7.0 | 0.53 | 4.67 | 137.86 | 0.0 | 42.61 |
| 1.08 | 30.49 | 7.0 | 0.5 | 4.7 | 140.64 | 0.0 | 42.6 |
| 1.086 | 30.49 | 7.0 | 0.61 | 4.71 | 125.98 | 0.0 | 42.6 |
| 1.088 | 30.49 | 7.0 | 0.34 | 4.69 | 132.81 | 0.0 | 42.6 |
| 1.089 | 30.49 | 7.0 | 0.5 | 4.66 | 137.67 | 0.0 | 42.6 |
| 1.094 | 30.49 | 7.0 | 0.5 | 4.63 | 137.54 | 0.0 | 42.61 |
| 1.1 | 30.49 | 7.0 | 0.42 | 4.61 | 135.21 | 0.0 | 42.6 |
| 1.106 | 30.49 | 7.0 | 0.42 | 4.6 | 138.73 | 0.0 | 42.6 |
| 1.112 | 30.49 | 7.0 | 0.46 | 4.58 | 136.05 | 0.0 | 42.6 |
| 1.116 | 30.49 | 7.0 | 0.5 | 4.56 | 132.38 | 0.0 | 42.6 |
| 1.118 | 30.49 | 7.0 | 0.53 | 4.53 | 136.97 | 0.0 | 42.6 |
| 1.121 | 30.49 | 7.0 | 0.46 | 4.51 | 139.24 | 0.0 | 42.6 |
| 1.129 | 30.49 | 7.0 | 0.42 | 4.51 | 130.37 | 0.0 | 42.6 |
| 1.136 | 30.49 | 7.0 | 0.53 | 4.52 | 131.95 | 0.0 | 42.6 |
| 1.142 | 30.49 | 7.0 | 0.5 | 4.54 | 137.04 | 0.0 | 42.6 |
| 1.145 | 30.49 | 7.0 | 0.42 | 4.56 | 134.42 | 0.0 | 42.61 |
| 1.149 | 30.49 | 7.0 | 0.53 | 4.57 | 133.25 | 0.0 | 42.61 |
| 1.155 | 30.49 | 7.0 | 0.53 | 4.58 | 134.21 | 0.0 | 42.61 |
| 1.165 | 30.49 | 7.0 | 0.57 | 4.59 | 133.25 | 0.0 | 42.61 |
| 1.174 | 30.49 | 7.0 | 0.53 | 4.61 | 132.97 | 0.0 | 42.61 |
| 1.181 | 30.49 | 7.0 | 0.61 | 4.64 | 136.37 | 0.0 | 42.61 |
| 1.184 | 30.49 | 7.0 | 0.57 | 4.66 | 135.39 | 0.0 | 42.61 |
| 1.187 | 30.49 | 7.0 | 0.57 | 4.66 | 130.68 | 0.0 | 42.61 |
| 1.192 | 30.49 | 7.0 | 0.46 | 4.65 | 135.99 | 0.0 | 42.61 |
| 1.203 | 30.49 | 7.0 | 0.46 | 4.63 | 140.09 | 0.0 | 42.61 |
| 1.215 | 30.49 | 7.0 | 0.5 | 4.61 | 138.15 | 0.0 | 42.61 |
| 1.222 | 30.49 | 7.0 | 0.57 | 4.58 | 137.26 | 0.0 | 42.61 |
| 1.227 | 30.5 | 7.0 | 0.57 | 4.57 | 137.54 | 0.0 | 42.61 |
| 1.236 | 30.49 | 7.0 | 0.5 | 4.57 | 132.02 | 0.0 | 42.6 |
| 1.246 | 30.49 | 7.0 | 0.42 | 4.58 | 132.2 | 0.0 | 42.6 |
| 1.253 | 30.5 | 7.0 | 0.65 | 4.62 | 132.2 | 0.0 | 42.6 |
| 1.258 | 30.5 | 7.0 | 0.5 | 4.65 | 133.55 | 0.0 | 42.6 |
| 1.261 | 30.49 | 7.0 | 0.61 | 4.66 | 134.24 | 0.0 | 42.6 |
| 1.262 | 30.49 | 7.0 | 0.5 | 4.64 | 128.72 | 0.0 | 42.6 |
| 1.264 | 30.49 | 7.0 | 0.57 | 4.63 | 137.07 | 0.0 | 42.61 |
| 1.268 | 30.49 | 7.0 | 0.27 | 4.61 | 140.18 | 0.0 | 42.6 |
| 1.272 | 30.49 | 7.0 | 0.53 | 4.61 | 133.43 | 0.0 | 42.6 |
| 1.279 | 30.49 | 7.0 | 0.42 | 4.61 | 132.32 | 0.0 | 42.6 |
| 1.291 | 30.49 | 7.0 | 0.57 | 4.63 | 136.97 | 0.0 | 42.61 |
| 1.305 | 30.49 | 7.0 | 0.5 | 4.65 | 139.15 | 0.0 | 42.61 |
| 1.312 | 30.49 | 7.0 | 0.57 | 4.57 | 132.48 | 0.0 | 42.61 |
| 1.313 | 30.49 | 7.0 | 0.38 | 4.53 | 135.99 | 0.0 | 42.61 |
| 1.326 | 30.49 | 7.0 | 0.5 | 4.5 | 140.12 | 0.0 | 42.61 |
| 1.349 | 30.49 | 7.0 | 0.42 | 4.48 | 137.61 | 0.0 | 42.6 |

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|---|---|---|---|---|---|---|---|
| 1.366 | 30.49 | 7.0 | 0.53 | 4.48 | 134.36 | 0.0 | 42.6 |
| 1.367 | 30.49 | 7.0 | 0.61 | 4.54 | 139.12 | 0.0 | 42.61 |
| 1.375 | 30.49 | 7.0 | 0.57 | 4.56 | 137.39 | 0.0 | 42.61 |
| 1.39 | 30.49 | 7.0 | 0.42 | 4.59 | 135.27 | 0.0 | 42.61 |
| 1.406 | 30.49 | 7.0 | 0.46 | 4.59 | 131.92 | 0.0 | 42.61 |
| 1.412 | 30.49 | 7.0 | 0.57 | 4.58 | 133.96 | 0.0 | 42.61 |
| 1.414 | 30.49 | 7.0 | 0.57 | 4.57 | 136.46 | 0.0 | 42.61 |
| 1.424 | 30.49 | 7.0 | 0.5 | 4.57 | 134.86 | 0.0 | 42.61 |
| 1.435 | 30.49 | 7.0 | 0.65 | 4.59 | 130.1 | 0.0 | 42.61 |
| 1.443 | 30.49 | 7.0 | 0.53 | 4.61 | 128.96 | 0.0 | 42.61 |
| 1.449 | 30.49 | 7.0 | 0.53 | 4.61 | 130.31 | 0.0 | 42.61 |
| 1.453 | 30.49 | 7.0 | 0.57 | 4.6 | 130.22 | 0.0 | 42.61 |
| 1.458 | 30.49 | 7.0 | 0.61 | 4.46 | 123.15 | 0.0 | 42.61 |
| 1.465 | 30.49 | 7.0 | 0.5 | 4.45 | 122.92 | 0.0 | 42.61 |
| 1.492 | 30.49 | 7.0 | 0.57 | 4.48 | 122.81 | 0.0 | 42.62 |
| 1.515 | 30.49 | 7.0 | 0.65 | 4.52 | 122.47 | 0.0 | 42.61 |
| 1.516 | 30.49 | 7.0 | 0.57 | 4.51 | 114.37 | 0.0 | 42.61 |
| 1.518 | 30.49 | 7.0 | 0.61 | 4.49 | 112.9 | 0.0 | 42.61 |
| 1.522 | 30.49 | 7.0 | 0.42 | 4.5 | 115.01 | 0.0 | 42.61 |
| 1.523 | 30.49 | 7.0 | 0.84 | 4.51 | 115.92 | 0.0 | 42.61 |
| 1.524 | 30.49 | 7.0 | 0.57 | 4.57 | 109.22 | 0.0 | 42.61 |
| 1.527 | 30.49 | 7.0 | 0.76 | 4.57 | 111.96 | 0.0 | 42.61 |
| 1.547 | 30.49 | 7.0 | 0.69 | 4.57 | 116.4 | 0.0 | 42.62 |
| 1.571 | 30.49 | 7.0 | 0.61 | 4.58 | 116.86 | 0.0 | 42.61 |
| 1.589 | 30.48 | 7.0 | 0.5 | 4.6 | 114.82 | 0.0 | 42.61 |
| 1.604 | 30.48 | 7.0 | 0.65 | 4.6 | 113.13 | 0.0 | 42.62 |
| 1.622 | 30.48 | 7.0 | 0.53 | 4.59 | 112.77 | 0.0 | 42.62 |
| 1.632 | 30.48 | 7.0 | 0.57 | 4.57 | 115.17 | 0.0 | 42.61 |
| 1.639 | 30.48 | 7.0 | 0.53 | 4.56 | 116.43 | 0.0 | 42.62 |
| 1.65 | 30.48 | 7.0 | 0.38 | 4.58 | 117.13 | 0.0 | 42.62 |
| 1.664 | 30.48 | 7.0 | 0.65 | 4.57 | 117.57 | 0.0 | 42.62 |
| 1.678 | 30.48 | 7.0 | 0.53 | 4.56 | 118.28 | 0.0 | 42.62 |
| 1.692 | 30.48 | 7.0 | 0.57 | 4.54 | 118.01 | 0.0 | 42.62 |
| 1.7 | 30.48 | 7.0 | 0.65 | 4.55 | 117.98 | 0.0 | 42.62 |
| 1.71 | 30.48 | 7.0 | 0.61 | 4.56 | 121.79 | 0.0 | 42.62 |
| 1.723 | 30.48 | 7.0 | 0.76 | 4.58 | 124.67 | 0.0 | 42.62 |
| 1.73 | 30.48 | 7.0 | 0.61 | 4.61 | 124.12 | 0.0 | 42.62 |
| 1.735 | 30.48 | 7.0 | 0.61 | 4.62 | 121.76 | 0.0 | 42.62 |
| 1.743 | 30.48 | 7.0 | 0.65 | 4.65 | 123.78 | 0.0 | 42.62 |
| 1.746 | 30.48 | 7.0 | 0.5 | 4.66 | 126.77 | 0.0 | 42.62 |
| 1.751 | 30.48 | 7.0 | 0.53 | 4.66 | 125.6 | 0.0 | 42.62 |
| 1.76 | 30.48 | 7.0 | 0.61 | 4.67 | 127.09 | 0.0 | 42.62 |
| 1.774 | 30.48 | 7.0 | 0.65 | 4.64 | 129.56 | 0.0 | 42.62 |
| 1.788 | 30.48 | 7.0 | 0.57 | 4.61 | 128.13 | 0.0 | 42.62 |
| 1.797 | 30.48 | 7.0 | 0.57 | 4.61 | 128.34 | 0.0 | 42.62 |
| 1.802 | 30.48 | 7.0 | 0.57 | 4.61 | 129.14 | 0.0 | 42.62 |
| 1.806 | 30.48 | 7.0 | 0.61 | 4.6 | 129.68 | 0.0 | 42.62 |
| 1.82 | 30.48 | 7.0 | 0.5 | 4.56 | 133.62 | 0.0 | 42.62 |
| 1.845 | 30.48 | 7.0 | 0.53 | 4.54 | 134.55 | 0.0 | 42.62 |
| 1.871 | 30.48 | 7.0 | 0.61 | 4.51 | 135.68 | 0.0 | 42.62 |
| 1.884 | 30.48 | 7.0 | 0.57 | 4.48 | 135.3 | 0.0 | 42.62 |
| 1.891 | 30.48 | 7.0 | 0.53 | 4.45 | 135.96 | 0.0 | 42.62 |
| 1.896 | 30.48 | 7.0 | 0.65 | 4.44 | 135.61 | 0.0 | 42.62 |
| 1.904 | 30.48 | 7.0 | 0.69 | 4.43 | 137.7 | 0.0 | 42.62 |
| 1.926 | 30.48 | 7.0 | 0.53 | 4.43 | 139.21 | 0.0 | 42.62 |
| 1.95 | 30.48 | 7.0 | 0.5 | 4.46 | 140.97 | 0.0 | 42.62 |
| 1.972 | 30.48 | 7.0 | 0.46 | 4.48 | 138.06 | 0.0 | 42.62 |
| 1.988 | 30.48 | 7.0 | 0.5 | 4.51 | 135.39 | 0.0 | 42.62 |

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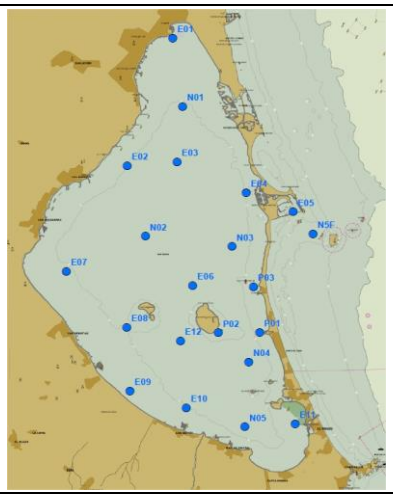
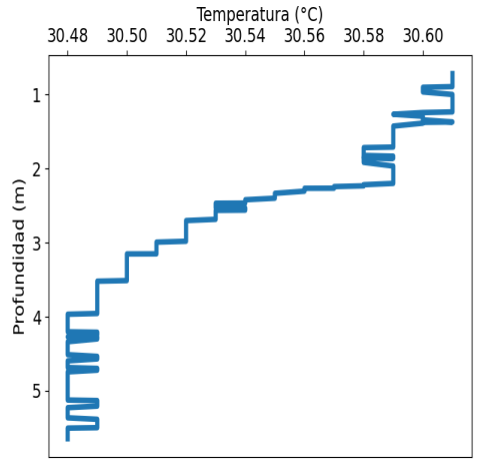
|---|---|---|---|---|---|---|---|
| 2.0 | 30.48 | 7.0 | 0.53 | 4.54 | 138.7 | 0.0 | 42.62 |
| 2.015 | 30.48 | 7.0 | 0.61 | 4.57 | 141.33 | 0.0 | 42.62 |
| 2.022 | 30.48 | 7.0 | 0.53 | 4.59 | 140.48 | 0.0 | 42.62 |
| 2.026 | 30.48 | 7.0 | 0.57 | 4.61 | 140.09 | 0.0 | 42.62 |
| 2.033 | 30.48 | 7.0 | 0.57 | 4.62 | 138.06 | 0.0 | 42.62 |
| 2.048 | 30.48 | 7.0 | 0.38 | 4.61 | 137.9 | 0.0 | 42.62 |
| 2.066 | 30.48 | 7.0 | 0.42 | 4.59 | 139.86 | 0.0 | 42.62 |
| 2.081 | 30.48 | 7.0 | 0.53 | 4.58 | 141.75 | 0.0 | 42.62 |
| 2.086 | 30.48 | 7.0 | 0.46 | 4.62 | 139.05 | 0.0 | 42.62 |
| 2.091 | 30.48 | 7.0 | 0.5 | 4.61 | 136.84 | 0.0 | 42.62 |
| 2.11 | 30.48 | 7.0 | 0.5 | 4.62 | 137.07 | 0.0 | 42.62 |
| 2.139 | 30.48 | 7.0 | 0.5 | 4.63 | 137.83 | 0.0 | 42.62 |
| 2.167 | 30.48 | 7.0 | 0.53 | 4.63 | 137.0 | 0.0 | 42.62 |
| 2.182 | 30.48 | 7.0 | 0.61 | 4.63 | 135.8 | 0.0 | 42.62 |
| 2.185 | 30.48 | 7.0 | 0.5 | 4.61 | 135.96 | 0.0 | 42.62 |
| 2.189 | 30.48 | 7.0 | 0.57 | 4.58 | 139.05 | 0.0 | 42.62 |
| 2.198 | 30.48 | 7.0 | 0.46 | 4.56 | 138.7 | 0.0 | 42.62 |
| 2.21 | 30.48 | 7.0 | 0.5 | 4.56 | 136.21 | 0.0 | 42.62 |
| 2.229 | 30.48 | 7.0 | 0.57 | 4.55 | 138.7 | 0.0 | 42.62 |
| 2.244 | 30.48 | 7.0 | 0.61 | 4.55 | 137.86 | 0.0 | 42.62 |
| 2.258 | 30.48 | 7.0 | 0.65 | 4.55 | 137.77 | 0.0 | 42.62 |
| 2.275 | 30.48 | 7.0 | 0.5 | 4.53 | 143.6 | 0.0 | 42.62 |
| 2.294 | 30.48 | 7.0 | 0.61 | 4.54 | 144.47 | 0.0 | 42.62 |
| 2.306 | 30.48 | 7.0 | 0.57 | 4.56 | 141.95 | 0.0 | 42.62 |
| 2.308 | 30.48 | 7.0 | 0.65 | 4.57 | 137.9 | 0.0 | 42.62 |
| 2.313 | 30.48 | 7.0 | 0.57 | 4.57 | 136.4 | 0.0 | 42.62 |
| 2.33 | 30.48 | 7.0 | 0.42 | 4.58 | 142.11 | 0.0 | 42.62 |
| 2.352 | 30.48 | 7.0 | 0.46 | 4.6 | 145.85 | 0.0 | 42.62 |
| 2.37 | 30.48 | 7.0 | 0.53 | 4.63 | 146.56 | 0.0 | 42.62 |
| 2.386 | 30.48 | 7.0 | 0.61 | 4.63 | 144.07 | 0.0 | 42.62 |
| 2.398 | 30.48 | 7.0 | 0.53 | 4.6 | 145.41 | 0.0 | 42.62 |
| 2.414 | 30.48 | 7.0 | 0.5 | 4.56 | 148.13 | 0.0 | 42.62 |
| 2.427 | 30.48 | 7.0 | 0.61 | 4.53 | 149.1 | 0.0 | 42.62 |
| 2.432 | 30.48 | 7.0 | 0.76 | 4.5 | 150.07 | 0.0 | 42.62 |
| 2.436 | 30.48 | 7.0 | 0.61 | 4.48 | 155.16 | 0.0 | 42.63 |
| 2.45 | 30.48 | 7.01 | 0.65 | 4.48 | 155.7 | 0.0 | 42.63 |
| 2.469 | 30.48 | 7.0 | 0.57 | 4.48 | 152.1 | 0.0 | 42.62 |
| 2.489 | 30.48 | 7.0 | 0.46 | 4.49 | 152.81 | 0.0 | 42.62 |
| 2.505 | 30.48 | 7.0 | 0.61 | 4.53 | 158.32 | 0.0 | 42.63 |
| 2.52 | 30.48 | 7.01 | 0.5 | 4.54 | 160.8 | 0.0 | 42.63 |
| 2.531 | 30.48 | 7.01 | 0.46 | 4.55 | 158.4 | 0.0 | 42.63 |
| 2.536 | 30.48 | 7.01 | 0.72 | 4.54 | 155.88 | 0.0 | 42.63 |
| 2.54 | 30.48 | 7.01 | 0.46 | 4.52 | 154.98 | 0.0 | 42.63 |
| 2.545 | 30.48 | 7.01 | 0.42 | 4.51 | 156.21 | 0.0 | 42.63 |
| 2.56 | 30.48 | 7.01 | 0.65 | 4.56 | 157.12 | 0.0 | 42.63 |
| 2.583 | 30.48 | 7.01 | 0.5 | 4.6 | 157.74 | 0.0 | 42.63 |
| 2.608 | 30.48 | 7.01 | 0.65 | 4.63 | 157.26 | 0.0 | 42.63 |
| 2.625 | 30.48 | 7.01 | 0.65 | 4.65 | 154.62 | 0.0 | 42.63 |
| 2.631 | 30.48 | 7.01 | 0.72 | 4.65 | 156.06 | 0.0 | 42.63 |
| 2.634 | 30.48 | 7.01 | 0.53 | 4.64 | 155.88 | 0.0 | 42.63 |
| 2.638 | 30.48 | 7.01 | 0.61 | 4.64 | 156.5 | 0.0 | 42.63 |
| 2.65 | 30.48 | 7.01 | 0.5 | 4.62 | 156.68 | 0.0 | 42.63 |
| 2.666 | 30.48 | 7.01 | 0.5 | 4.6 | 155.38 | 0.0 | 42.63 |
| 2.68 | 30.48 | 7.01 | 0.69 | 4.57 | 153.8 | 0.0 | 42.63 |
| 2.698 | 30.48 | 7.01 | 0.53 | 4.54 | 155.05 | 0.0 | 42.63 |
| 2.717 | 30.48 | 7.01 | 0.57 | 4.54 | 159.58 | 0.0 | 42.63 |
| 2.729 | 30.48 | 7.01 | 0.53 | 4.55 | 158.76 | 0.0 | 42.63 |
| 2.734 | 30.48 | 7.01 | 0.57 | 4.54 | 156.17 | 0.0 | 42.63 |

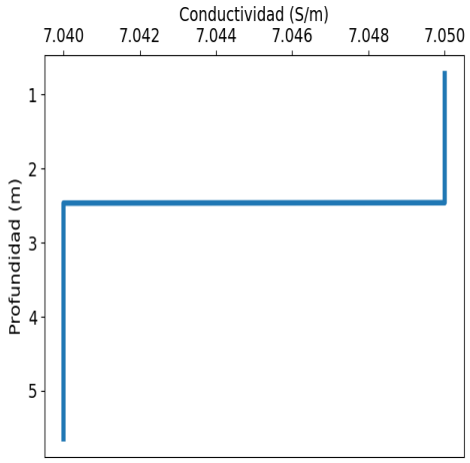
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.748 | 30.48 | 7.01 | 0.46 | 4.53 | 156.03 | 0.0 | 42.63 |
| 2.771 | 30.48 | 7.01 | 0.42 | 4.51 | 160.24 | 0.0 | 42.63 |
| 2.801 | 30.48 | 7.01 | 0.57 | 4.53 | 163.51 | 0.0 | 42.63 |
| 2.828 | 30.48 | 7.01 | 0.53 | 4.53 | 161.51 | 0.0 | 42.64 |
| 2.834 | 30.48 | 7.01 | 0.61 | 4.59 | 167.38 | 0.0 | 42.64 |
| 2.844 | 30.48 | 7.01 | 0.5 | 4.59 | 168.59 | 0.0 | 42.64 |
| 2.862 | 30.48 | 7.01 | 0.53 | 4.61 | 171.66 | 0.0 | 42.64 |
| 2.882 | 30.48 | 7.01 | 0.53 | 4.64 | 179.56 | 0.0 | 42.64 |
| 2.899 | 30.48 | 7.01 | 0.46 | 4.64 | 179.43 | 0.0 | 42.64 |
| 2.911 | 30.48 | 7.01 | 0.65 | 4.63 | 183.68 | 0.0 | 42.64 |
| 2.918 | 30.48 | 7.01 | 0.53 | 4.64 | 194.1 | 0.0 | 42.64 |
| 2.923 | 30.48 | 7.01 | 0.72 | 4.61 | 194.41 | 0.0 | 42.64 |
| 2.931 | 30.48 | 7.01 | 0.42 | 4.57 | 206.3 | 0.0 | 42.64 |
| 2.947 | 30.48 | 7.01 | 0.53 | 4.56 | 211.23 | 0.0 | 42.64 |
| 2.963 | 30.48 | 7.01 | 0.46 | 4.56 | 206.2 | 0.0 | 42.64 |
| 2.982 | 30.48 | 7.01 | 0.65 | 4.56 | 233.64 | 0.0 | 42.64 |
| 3.002 | 30.48 | 7.01 | 0.46 | 4.56 | 243.82 | 0.0 | 42.64 |
| 3.016 | 30.48 | 7.01 | 0.61 | 4.54 | 233.42 | 0.0 | 42.64 |
| 3.021 | 30.48 | 7.01 | 0.53 | 4.5 | 242.36 | 0.0 | 42.64 |
| 3.023 | 30.48 | 7.01 | 0.5 | 4.47 | 280.26 | 0.0 | 42.64 |
| 3.032 | 30.48 | 7.01 | 0.57 | 4.47 | 274.16 | 0.0 | 42.64 |
| 3.051 | 30.48 | 7.01 | 0.46 | 4.5 | 286.84 | 0.0 | 42.64 |
| 3.073 | 30.48 | 7.01 | 0.57 | 4.54 | 294.92 | 0.0 | 42.64 |
| 3.093 | 30.48 | 7.01 | 0.42 | 4.56 | 337.13 | 0.0 | 42.64 |
| 3.109 | 30.48 | 7.01 | 0.65 | 4.58 | 302.75 | 0.0 | 42.64 |
| 3.12 | 30.48 | 7.01 | 0.46 | 4.6 | 289.37 | 0.0 | 42.64 |
| 3.126 | 30.48 | 7.01 | 0.42 | 4.6 | 301.21 | 0.0 | 42.64 |
| 3.14 | 30.48 | 7.01 | 0.57 | 4.56 | 372.63 | 0.0 | 42.64 |
| 3.159 | 30.48 | 7.01 | 0.57 | 4.51 | 319.85 | 0.0 | 42.64 |
| 3.179 | 30.48 | 7.01 | 0.53 | 4.48 | 305.08 | 0.0 | 42.64 |
| 3.203 | 30.48 | 7.01 | 0.53 | 4.45 | 348.97 | 0.0 | 42.64 |
| 3.212 | 30.48 | 7.01 | 0.38 | 4.44 | 340.9 | 0.0 | 42.65 |
| 3.22 | 30.48 | 7.01 | 0.34 | 4.47 | 416.86 | 0.0 | 42.65 |
| 3.254 | 30.48 | 7.01 | 0.5 | 4.5 | 357.49 | 0.0 | 42.65 |
| 3.298 | 30.48 | 7.01 | 0.46 | 4.54 | 389.22 | 0.0 | 42.64 |
| 3.339 | 30.48 | 7.01 | 0.5 | 4.61 | 467.22 | 0.0 | 42.65 |
| 3.36 | 30.48 | 7.01 | 0.53 | 4.66 | 377.58 | 0.0 | 42.65 |
| 3.371 | 30.48 | 7.01 | 0.53 | 4.69 | 377.58 | 0.0 | 42.65 |
| 3.386 | 30.48 | 7.01 | 0.61 | 4.69 | 460.44 | 0.0 | 42.65 |
| 3.411 | 30.48 | 7.01 | 0.42 | 4.68 | 393.85 | 0.0 | 42.65 |
| 3.441 | 30.48 | 7.01 | 0.53 | 4.68 | 353.94 | 0.0 | 42.65 |
| 3.47 | 30.48 | 7.01 | 0.61 | 4.69 | 443.48 | 0.0 | 42.65 |
| 3.49 | 30.48 | 7.01 | 0.57 | 4.69 | 416.86 | 0.0 | 42.65 |
| 3.503 | 30.48 | 7.01 | 0.46 | 4.68 | 357.98 | 0.0 | 42.65 |
| 3.514 | 30.48 | 7.01 | 0.61 | 4.66 | 369.02 | 0.0 | 42.65 |
| 3.526 | 30.48 | 7.01 | 0.46 | 4.65 | 396.23 | 0.0 | 42.65 |
| 3.539 | 30.48 | 7.01 | 0.57 | 4.66 | 431.11 | 0.0 | 42.65 |
| 3.55 | 30.48 | 7.01 | 0.69 | 4.68 | 420.65 | 0.0 | 42.65 |
| 3.558 | 30.48 | 7.01 | 0.5 | 4.71 | 366.04 | 0.0 | 42.65 |
| 3.568 | 30.48 | 7.01 | 0.53 | 4.75 | 383.05 | 0.0 | 42.65 |
| 3.589 | 30.48 | 7.01 | 0.5 | 4.78 | 460.12 | 0.0 | 42.65 |
| 3.606 | 30.48 | 7.01 | 0.53 | 4.82 | 369.7 | 0.0 | 42.65 |
| 3.619 | 30.48 | 7.01 | 0.61 | 4.83 | 347.52 | 0.0 | 42.65 |
| 3.63 | 30.48 | 7.01 | 0.5 | 4.82 | 369.45 | 0.0 | 42.65 |
| 3.644 | 30.48 | 7.01 | 0.5 | 4.82 | 411.2 | 0.0 | 42.64 |
| 3.661 | 30.48 | 7.01 | 0.5 | 4.83 | 372.37 | 0.0 | 42.65 |
| 3.676 | 30.48 | 7.01 | 0.3 | 4.82 | 341.61 | 0.0 | 42.65 |
| 3.679 | 30.48 | 7.01 | 0.42 | 4.81 | 429.12 | 0.0 | 42.65 |

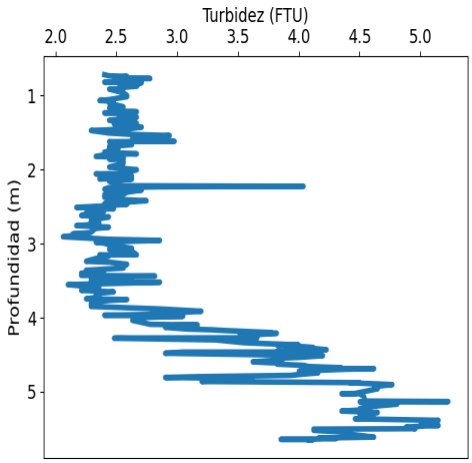
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3.689 | 30.48 | 7.01 | 0.46 | 4.8 | 416.86 | 0.0 | 42.65 |
| 3.713 | 30.48 | 7.01 | 0.42 | 4.81 | 383.94 | 0.0 | 42.65 |
| 3.734 | 30.48 | 7.01 | 0.53 | 4.82 | 421.24 | 0.0 | 42.65 |
| 3.747 | 30.48 | 7.01 | 0.5 | 4.8 | 490.86 | 0.0 | 42.65 |
| 3.757 | 30.48 | 7.01 | 0.57 | 4.79 | 416.29 | 0.0 | 42.65 |
| 3.772 | 30.48 | 7.01 | 0.38 | 4.8 | 397.89 | 0.0 | 42.65 |
| 3.783 | 30.48 | 7.01 | 0.46 | 4.81 | 457.36 | 0.0 | 42.65 |
| 3.792 | 30.48 | 7.01 | 0.34 | 4.8 | 462.37 | 0.0 | 42.65 |
| 3.811 | 30.48 | 7.01 | 0.5 | 4.79 | 416.19 | 0.0 | 42.65 |
| 3.835 | 30.48 | 7.01 | 0.3 | 4.75 | 394.4 | 0.0 | 42.65 |
| 3.856 | 30.48 | 7.01 | 0.5 | 4.72 | 418.12 | 0.0 | 42.65 |
| 3.877 | 30.48 | 7.01 | 0.61 | 4.71 | 441.02 | 0.0 | 42.65 |
| 3.899 | 30.48 | 7.01 | 0.53 | 4.72 | 416.57 | 0.0 | 42.65 |
| 3.915 | 30.48 | 7.01 | 0.57 | 4.72 | 409.21 | 0.0 | 42.65 |
| 3.921 | 30.48 | 7.01 | 0.38 | 4.76 | 418.9 | 0.0 | 42.65 |
| 3.926 | 30.48 | 7.01 | 0.57 | 4.8 | 439.28 | 0.0 | 42.65 |
| 3.943 | 30.48 | 7.01 | 0.53 | 4.85 | 403.18 | 0.01 | 42.65 |
| 3.963 | 30.48 | 7.01 | 0.57 | 4.89 | 392.03 | 0.0 | 42.65 |
| 3.977 | 30.48 | 7.01 | 0.5 | 4.91 | 432.31 | 0.0 | 42.65 |
| 3.989 | 30.48 | 7.01 | 0.65 | 4.9 | 417.25 | 0.0 | 42.65 |
| 3.994 | 30.48 | 7.01 | 0.53 | 4.9 | 384.65 | 0.0 | 42.65 |
| 3.998 | 30.48 | 7.01 | 0.57 | 4.9 | 416.0 | 0.0 | 42.65 |
| 4.015 | 30.48 | 7.01 | 0.57 | 4.89 | 467.0 | 0.0 | 42.65 |
| 4.038 | 30.48 | 7.01 | 0.57 | 4.89 | 410.44 | 0.0 | 42.65 |
| 4.055 | 30.49 | 7.01 | 0.53 | 4.89 | 382.34 | 0.0 | 42.65 |
| 4.068 | 30.49 | 7.01 | 0.42 | 4.87 | 423.49 | 0.0 | 42.65 |
| 4.08 | 30.49 | 7.01 | 0.46 | 4.86 | 434.02 | 0.0 | 42.65 |
| 4.095 | 30.49 | 7.01 | 0.42 | 4.85 | 400.76 | 0.0 | 42.65 |
| 4.102 | 30.49 | 7.01 | 0.46 | 4.85 | 429.62 | 0.0 | 42.65 |
| 4.107 | 30.49 | 7.01 | 0.3 | 4.87 | 483.52 | 0.01 | 42.65 |
| 4.113 | 30.49 | 7.01 | 0.65 | 4.91 | 422.02 | 0.0 | 42.65 |
| 4.127 | 30.48 | 7.01 | 0.57 | 4.93 | 409.68 | 0.0 | 42.65 |
| 4.14 | 30.48 | 7.01 | 0.5 | 4.97 | 426.44 | 0.0 | 42.65 |
| 4.152 | 30.48 | 7.01 | 0.57 | 4.99 | 411.97 | 0.01 | 42.65 |
| 4.156 | 30.48 | 7.01 | 0.42 | 4.89 | 411.87 | 0.0 | 42.65 |
| 4.163 | 30.48 | 7.01 | 0.53 | 4.82 | 385.9 | 0.0 | 42.65 |
| 4.174 | 30.48 | 7.01 | 0.42 | 4.74 | 372.28 | 0.0 | 42.65 |
| 4.178 | 30.48 | 7.01 | 0.5 | 4.66 | 418.22 | 0.0 | 42.65 |
| 4.179 | 30.48 | 7.01 | 0.38 | 4.58 | 422.6 | 0.0 | 42.65 |

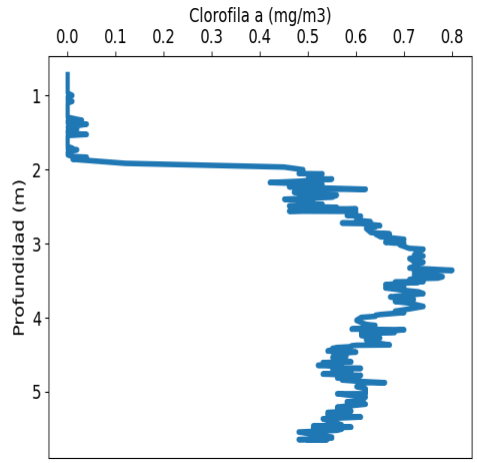
**Nombre: CTD N05 - Punto 017** **Fecha: 08/08/2022** **Hora: 10:08:22**

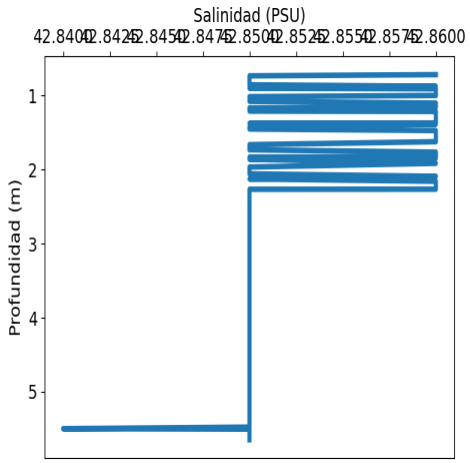


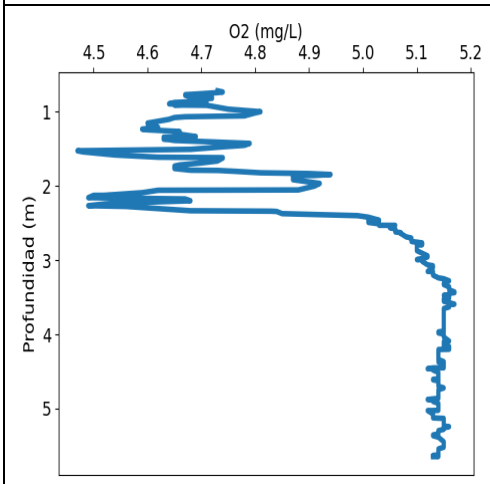



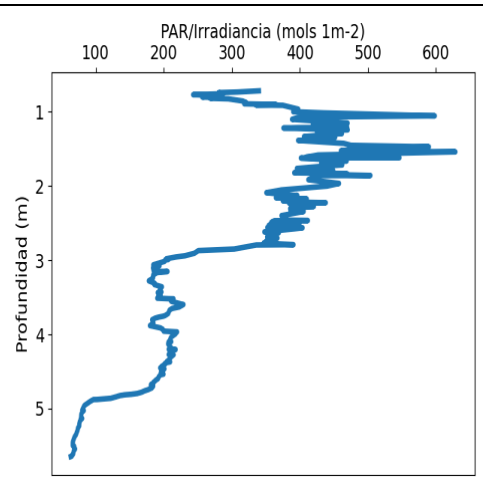




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.48 | 7.04 | 2.06 | 4.47 | 63.32 | 0.0 | 42.85 |
| **PROF (metros)** | 3.967 | 2.467 | 2.908 | 1.527 | 5.647 | 0.72 | 0.736 |
| **MÁXIMO** | 30.61 | 30.61 | 5.23 | 5.17 | 629.17 | 0.8 | 42.86 |
| **PROF (metros)** | 0.72 | 0.72 | 5.132 | 3.429 | 1.542 | 3.36 | 0.72 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD N05 - Punto 017 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.61 | 7.05 | 2.56 | 4.7 | 309.23 | 0.0 | 42.85 |
| 1 - 2m | 30.6 | 7.05 | 2.54 | 4.7 | 449.2 | 0.02 | 42.86 |
| 2 - 3m | 30.54 | 7.05 | 2.45 | 4.92 | 356.42 | 0.57 | 42.85 |
| 3 - 4m | 30.5 | 7.04 | 2.48 | 5.15 | 198.07 | 0.71 | 42.85 |
| 4 - 5m | 30.48 | 7.04 | 3.72 | 5.14 | 183.84 | 0.6 | 42.85 |
| 5 - 6m | 30.48 | 7.04 | 4.52 | 5.14 | 71.41 | 0.56 | 42.85 |

| OBSERVACIONES GENERALES |
|---|
| |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.72 | 30.61 | 7.05 | 2.4 | 4.73 | 340.19 | 0.0 | 42.86 |
| 0.736 | 30.61 | 7.05 | 2.44 | 4.74 | 308.99 | 0.0 | 42.85 |
| 0.744 | 30.61 | 7.05 | 2.59 | 4.73 | 280.91 | 0.0 | 42.85 |
| 0.759 | 30.61 | 7.05 | 2.48 | 4.7 | 287.83 | 0.0 | 42.85 |
| 0.772 | 30.61 | 7.05 | 2.78 | 4.67 | 243.26 | 0.0 | 42.85 |
| 0.78 | 30.61 | 7.05 | 2.56 | 4.67 | 271.13 | 0.0 | 42.85 |
| 0.804 | 30.61 | 7.05 | 2.56 | 4.68 | 256.69 | 0.0 | 42.85 |
| 0.808 | 30.61 | 7.05 | 2.71 | 4.72 | 273.59 | 0.0 | 42.85 |
| 0.821 | 30.61 | 7.05 | 2.4 | 4.72 | 268.44 | 0.0 | 42.85 |
| 0.828 | 30.61 | 7.05 | 2.71 | 4.69 | 295.27 | 0.0 | 42.85 |
| 0.857 | 30.61 | 7.05 | 2.67 | 4.71 | 316.16 | 0.0 | 42.85 |
| 0.877 | 30.61 | 7.05 | 2.67 | 4.65 | 321.41 | 0.0 | 42.86 |
| 0.895 | 30.61 | 7.05 | 2.52 | 4.64 | 318.52 | 0.0 | 42.85 |
| 0.904 | 30.6 | 7.05 | 2.56 | 4.67 | 365.61 | 0.0 | 42.85 |
| 0.911 | 30.6 | 7.05 | 2.56 | 4.65 | 335.57 | 0.0 | 42.86 |
| 0.915 | 30.6 | 7.05 | 2.44 | 4.71 | 375.32 | 0.0 | 42.86 |
| 0.967 | 30.6 | 7.05 | 2.56 | 4.75 | 398.07 | 0.0 | 42.86 |
| 1.001 | 30.61 | 7.05 | 2.59 | 4.81 | 390.4 | 0.01 | 42.86 |
| 1.017 | 30.61 | 7.05 | 2.59 | 4.8 | 434.62 | 0.0 | 42.85 |
| 1.057 | 30.61 | 7.05 | 2.44 | 4.78 | 598.86 | 0.0 | 42.85 |
| 1.069 | 30.61 | 7.05 | 2.36 | 4.67 | 472.23 | 0.0 | 42.85 |
| 1.08 | 30.61 | 7.05 | 2.48 | 4.65 | 396.97 | 0.01 | 42.85 |
| 1.104 | 30.61 | 7.05 | 2.44 | 4.64 | 388.68 | 0.0 | 42.86 |
| 1.155 | 30.61 | 7.05 | 2.56 | 4.6 | 470.7 | 0.0 | 42.86 |
| 1.169 | 30.61 | 7.05 | 2.44 | 4.61 | 419.29 | 0.0 | 42.85 |
| 1.212 | 30.61 | 7.05 | 2.48 | 4.62 | 470.04 | 0.0 | 42.85 |
| 1.216 | 30.61 | 7.05 | 2.63 | 4.6 | 396.6 | 0.0 | 42.86 |
| 1.221 | 30.61 | 7.05 | 2.67 | 4.61 | 376.01 | 0.0 | 42.86 |
| 1.236 | 30.61 | 7.05 | 2.4 | 4.59 | 428.62 | 0.0 | 42.86 |
| 1.245 | 30.6 | 7.05 | 2.56 | 4.6 | 470.91 | 0.0 | 42.86 |
| 1.268 | 30.59 | 7.05 | 2.52 | 4.66 | 425.45 | 0.0 | 42.86 |
| 1.295 | 30.6 | 7.05 | 2.67 | 4.65 | 462.37 | 0.0 | 42.86 |
| 1.336 | 30.6 | 7.05 | 2.44 | 4.69 | 406.28 | 0.03 | 42.86 |
| 1.344 | 30.6 | 7.05 | 2.48 | 4.63 | 452.41 | 0.0 | 42.86 |
| 1.372 | 30.61 | 7.05 | 2.48 | 4.63 | 449.58 | 0.0 | 42.86 |
| 1.377 | 30.6 | 7.05 | 2.67 | 4.64 | 432.11 | 0.01 | 42.85 |

| 1.388 | 30.6 | 7.05 | 2.48 | 4.65 | 397.61 | 0.04 | 42.86 |
|---|---|---|---|---|---|---|---|
| 1.428 | 30.59 | 7.05 | 2.71 | 4.79 | 464.95 | 0.0 | 42.85 |
| 1.454 | 30.59 | 7.05 | 2.59 | 4.78 | 475.63 | 0.02 | 42.85 |
| 1.474 | 30.59 | 7.05 | 2.29 | 4.74 | 590.18 | 0.0 | 42.86 |
| 1.508 | 30.59 | 7.05 | 2.44 | 4.68 | 480.84 | 0.0 | 42.86 |
| 1.527 | 30.59 | 7.05 | 2.63 | 4.47 | 460.55 | 0.04 | 42.86 |
| 1.542 | 30.59 | 7.05 | 2.94 | 4.48 | 629.17 | 0.0 | 42.86 |
| 1.584 | 30.59 | 7.05 | 2.63 | 4.54 | 427.23 | 0.0 | 42.86 |
| 1.614 | 30.59 | 7.05 | 2.67 | 4.62 | 409.3 | 0.0 | 42.86 |
| 1.62 | 30.59 | 7.05 | 2.98 | 4.74 | 546.97 | 0.0 | 42.86 |
| 1.625 | 30.59 | 7.05 | 2.44 | 4.74 | 401.69 | 0.0 | 42.86 |
| 1.665 | 30.59 | 7.05 | 2.63 | 4.73 | 469.28 | 0.0 | 42.85 |
| 1.691 | 30.59 | 7.05 | 2.44 | 4.7 | 431.51 | 0.0 | 42.85 |
| 1.711 | 30.59 | 7.05 | 2.52 | 4.67 | 448.85 | 0.01 | 42.85 |
| 1.718 | 30.58 | 7.05 | 2.44 | 4.66 | 462.8 | 0.0 | 42.85 |
| 1.734 | 30.58 | 7.05 | 2.48 | 4.65 | 435.53 | 0.02 | 42.85 |
| 1.766 | 30.58 | 7.05 | 2.4 | 4.65 | 395.77 | 0.0 | 42.86 |
| 1.789 | 30.58 | 7.05 | 2.67 | 4.68 | 439.79 | 0.0 | 42.86 |
| 1.792 | 30.58 | 7.05 | 2.56 | 4.73 | 449.48 | 0.0 | 42.86 |
| 1.803 | 30.58 | 7.05 | 2.4 | 4.76 | 398.54 | 0.0 | 42.86 |
| 1.824 | 30.58 | 7.05 | 2.33 | 4.81 | 391.85 | 0.01 | 42.86 |
| 1.834 | 30.59 | 7.05 | 2.56 | 4.9 | 469.61 | 0.04 | 42.85 |
| 1.847 | 30.58 | 7.05 | 2.56 | 4.94 | 444.3 | 0.02 | 42.86 |
| 1.86 | 30.59 | 7.05 | 2.44 | 4.91 | 504.24 | 0.01 | 42.85 |
| 1.862 | 30.58 | 7.05 | 2.56 | 4.87 | 424.86 | 0.01 | 42.85 |
| 1.917 | 30.58 | 7.05 | 2.56 | 4.87 | 412.63 | 0.12 | 42.86 |
| 1.967 | 30.59 | 7.05 | 2.44 | 4.92 | 458.1 | 0.45 | 42.85 |
| 2.003 | 30.59 | 7.05 | 2.67 | 4.91 | 440.2 | 0.49 | 42.85 |
| 2.055 | 30.59 | 7.05 | 2.56 | 4.88 | 372.97 | 0.48 | 42.85 |
| 2.059 | 30.59 | 7.05 | 2.33 | 4.62 | 370.99 | 0.53 | 42.85 |
| 2.092 | 30.59 | 7.05 | 2.63 | 4.59 | 350.84 | 0.5 | 42.86 |
| 2.127 | 30.59 | 7.05 | 2.36 | 4.52 | 391.67 | 0.5 | 42.85 |
| 2.128 | 30.59 | 7.05 | 2.63 | 4.5 | 396.69 | 0.55 | 42.85 |
| 2.159 | 30.59 | 7.05 | 2.44 | 4.49 | 364.85 | 0.48 | 42.86 |
| 2.176 | 30.59 | 7.05 | 2.48 | 4.67 | 410.63 | 0.42 | 42.86 |
| 2.201 | 30.59 | 7.05 | 2.48 | 4.68 | 375.14 | 0.53 | 42.86 |
| 2.219 | 30.58 | 7.05 | 2.52 | 4.6 | 396.69 | 0.48 | 42.86 |
| 2.227 | 30.58 | 7.05 | 4.04 | 4.57 | 438.57 | 0.5 | 42.86 |
| 2.234 | 30.58 | 7.05 | 2.86 | 4.54 | 384.56 | 0.46 | 42.86 |
| 2.244 | 30.57 | 7.05 | 2.44 | 4.52 | 404.87 | 0.5 | 42.86 |
| 2.266 | 30.57 | 7.05 | 2.4 | 4.49 | 401.78 | 0.62 | 42.86 |
| 2.267 | 30.56 | 7.05 | 2.59 | 4.49 | 398.54 | 0.51 | 42.85 |
| 2.277 | 30.56 | 7.05 | 2.71 | 4.56 | 421.04 | 0.51 | 42.85 |
| 2.306 | 30.56 | 7.05 | 2.59 | 4.62 | 385.9 | 0.47 | 42.85 |
| 2.335 | 30.55 | 7.05 | 2.56 | 4.68 | 386.62 | 0.49 | 42.85 |
| 2.341 | 30.55 | 7.05 | 2.4 | 4.83 | 395.87 | 0.53 | 42.85 |
| 2.345 | 30.55 | 7.05 | 2.4 | 4.84 | 406.09 | 0.56 | 42.85 |
| 2.374 | 30.55 | 7.05 | 2.4 | 4.85 | 389.31 | 0.55 | 42.85 |
| 2.401 | 30.55 | 7.05 | 2.48 | 4.99 | 373.15 | 0.45 | 42.85 |
| 2.422 | 30.54 | 7.05 | 2.75 | 5.01 | 379.69 | 0.51 | 42.85 |
| 2.462 | 30.54 | 7.05 | 2.4 | 5.03 | 378.9 | 0.49 | 42.85 |
| 2.467 | 30.54 | 7.04 | 2.48 | 5.03 | 412.25 | 0.53 | 42.85 |
| 2.469 | 30.53 | 7.04 | 2.59 | 5.01 | 362.83 | 0.53 | 42.85 |
| 2.492 | 30.53 | 7.04 | 2.4 | 5.01 | 358.15 | 0.46 | 42.85 |
| 2.511 | 30.53 | 7.04 | 2.17 | 5.03 | 399.92 | 0.56 | 42.85 |
| 2.531 | 30.53 | 7.04 | 2.48 | 5.03 | 354.51 | 0.52 | 42.85 |
| 2.532 | 30.54 | 7.04 | 2.25 | 5.06 | 377.67 | 0.6 | 42.85 |
| 2.562 | 30.54 | 7.04 | 2.33 | 5.05 | 352.3 | 0.46 | 42.85 |

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|---|---|---|---|---|---|---|---|
| 2.565 | 30.53 | 7.04 | 2.4 | 5.05 | 404.49 | 0.58 | 42.85 |
| 2.579 | 30.53 | 7.04 | 2.29 | 5.06 | 391.58 | 0.6 | 42.85 |
| 2.62 | 30.53 | 7.04 | 2.21 | 5.06 | 348.0 | 0.58 | 42.85 |
| 2.63 | 30.53 | 7.04 | 2.33 | 5.07 | 369.7 | 0.61 | 42.85 |
| 2.64 | 30.53 | 7.04 | 2.44 | 5.07 | 359.31 | 0.6 | 42.85 |
| 2.686 | 30.53 | 7.04 | 2.29 | 5.08 | 352.06 | 0.6 | 42.85 |
| 2.703 | 30.52 | 7.04 | 2.29 | 5.09 | 367.57 | 0.63 | 42.85 |
| 2.717 | 30.52 | 7.04 | 2.29 | 5.09 | 359.48 | 0.63 | 42.85 |
| 2.722 | 30.52 | 7.04 | 2.36 | 5.09 | 361.99 | 0.57 | 42.85 |
| 2.729 | 30.52 | 7.04 | 2.36 | 5.09 | 353.12 | 0.61 | 42.85 |
| 2.749 | 30.52 | 7.04 | 2.25 | 5.09 | 350.19 | 0.64 | 42.85 |
| 2.758 | 30.52 | 7.04 | 2.17 | 5.1 | 350.67 | 0.65 | 42.85 |
| 2.769 | 30.52 | 7.04 | 2.33 | 5.11 | 347.04 | 0.63 | 42.85 |
| 2.773 | 30.52 | 7.04 | 2.29 | 5.11 | 346.95 | 0.63 | 42.85 |
| 2.774 | 30.52 | 7.04 | 2.4 | 5.1 | 366.12 | 0.64 | 42.85 |
| 2.778 | 30.52 | 7.04 | 2.44 | 5.1 | 362.16 | 0.63 | 42.85 |
| 2.792 | 30.52 | 7.04 | 2.36 | 5.11 | 391.12 | 0.63 | 42.85 |
| 2.796 | 30.52 | 7.04 | 2.33 | 5.1 | 336.34 | 0.62 | 42.85 |
| 2.851 | 30.52 | 7.04 | 2.29 | 5.1 | 303.81 | 0.63 | 42.85 |
| 2.87 | 30.52 | 7.04 | 2.14 | 5.1 | 258.19 | 0.67 | 42.85 |
| 2.872 | 30.52 | 7.04 | 2.25 | 5.1 | 251.05 | 0.64 | 42.85 |
| 2.908 | 30.52 | 7.04 | 2.06 | 5.11 | 245.24 | 0.65 | 42.85 |
| 2.942 | 30.52 | 7.04 | 2.44 | 5.12 | 231.22 | 0.7 | 42.85 |
| 2.957 | 30.52 | 7.04 | 2.86 | 5.12 | 218.45 | 0.68 | 42.85 |
| 2.982 | 30.52 | 7.04 | 2.33 | 5.11 | 204.02 | 0.66 | 42.85 |
| 2.993 | 30.51 | 7.04 | 2.4 | 5.1 | 207.02 | 0.68 | 42.85 |
| 2.994 | 30.51 | 7.04 | 2.4 | 5.11 | 202.51 | 0.7 | 42.85 |
| 3.017 | 30.51 | 7.04 | 2.44 | 5.11 | 201.52 | 0.69 | 42.85 |
| 3.064 | 30.51 | 7.04 | 2.63 | 5.12 | 184.66 | 0.71 | 42.85 |
| 3.076 | 30.51 | 7.04 | 2.44 | 5.13 | 194.1 | 0.74 | 42.85 |
| 3.103 | 30.51 | 7.04 | 2.63 | 5.13 | 184.32 | 0.73 | 42.85 |
| 3.152 | 30.51 | 7.04 | 2.67 | 5.12 | 185.52 | 0.72 | 42.85 |
| 3.153 | 30.5 | 7.04 | 2.36 | 5.13 | 205.87 | 0.73 | 42.85 |
| 3.168 | 30.5 | 7.04 | 2.44 | 5.13 | 190.49 | 0.74 | 42.85 |
| 3.202 | 30.5 | 7.04 | 2.33 | 5.13 | 184.53 | 0.71 | 42.85 |
| 3.239 | 30.5 | 7.04 | 2.25 | 5.14 | 184.58 | 0.72 | 42.85 |
| 3.251 | 30.5 | 7.04 | 2.44 | 5.15 | 183.0 | 0.74 | 42.85 |
| 3.279 | 30.5 | 7.04 | 2.59 | 5.16 | 178.11 | 0.72 | 42.85 |
| 3.313 | 30.5 | 7.04 | 2.56 | 5.15 | 187.16 | 0.72 | 42.85 |
| 3.33 | 30.5 | 7.04 | 2.56 | 5.15 | 186.43 | 0.71 | 42.85 |
| 3.36 | 30.5 | 7.04 | 2.25 | 5.16 | 197.64 | 0.8 | 42.85 |
| 3.37 | 30.5 | 7.04 | 2.4 | 5.16 | 195.05 | 0.72 | 42.85 |
| 3.4 | 30.5 | 7.04 | 2.21 | 5.16 | 194.68 | 0.72 | 42.85 |
| 3.429 | 30.5 | 7.04 | 2.21 | 5.17 | 197.0 | 0.72 | 42.85 |
| 3.438 | 30.5 | 7.04 | 2.82 | 5.17 | 191.15 | 0.77 | 42.85 |
| 3.447 | 30.5 | 7.04 | 2.44 | 5.16 | 194.46 | 0.78 | 42.85 |
| 3.466 | 30.5 | 7.04 | 2.63 | 5.16 | 195.59 | 0.77 | 42.85 |
| 3.474 | 30.5 | 7.04 | 2.33 | 5.15 | 194.91 | 0.72 | 42.85 |
| 3.485 | 30.5 | 7.04 | 2.29 | 5.16 | 192.57 | 0.71 | 42.85 |
| 3.513 | 30.5 | 7.04 | 2.29 | 5.16 | 190.49 | 0.74 | 42.85 |
| 3.52 | 30.49 | 7.04 | 2.29 | 5.15 | 207.55 | 0.68 | 42.85 |
| 3.521 | 30.49 | 7.04 | 2.86 | 5.15 | 214.64 | 0.73 | 42.85 |
| 3.554 | 30.49 | 7.04 | 2.1 | 5.15 | 210.99 | 0.66 | 42.85 |
| 3.593 | 30.49 | 7.04 | 2.36 | 5.17 | 226.29 | 0.7 | 42.85 |
| 3.598 | 30.49 | 7.04 | 2.33 | 5.16 | 229.3 | 0.66 | 42.85 |
| 3.631 | 30.49 | 7.04 | 2.21 | 5.16 | 223.01 | 0.7 | 42.85 |
| 3.652 | 30.49 | 7.04 | 2.48 | 5.15 | 212.36 | 0.73 | 42.85 |
| 3.675 | 30.49 | 7.04 | 2.33 | 5.15 | 208.61 | 0.74 | 42.85 |

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|---|---|---|---|---|---|---|---|
| 3.72 | 30.49 | 7.04 | 2.36 | 5.15 | 206.73 | 0.67 | 42.85 |
| 3.746 | 30.49 | 7.04 | 2.25 | 5.15 | 202.32 | 0.69 | 42.85 |
| 3.755 | 30.49 | 7.04 | 2.59 | 5.15 | 199.71 | 0.72 | 42.85 |
| 3.768 | 30.49 | 7.04 | 2.44 | 5.15 | 192.75 | 0.69 | 42.85 |
| 3.781 | 30.49 | 7.04 | 2.36 | 5.15 | 187.77 | 0.68 | 42.85 |
| 3.803 | 30.49 | 7.04 | 2.29 | 5.15 | 183.0 | 0.71 | 42.85 |
| 3.848 | 30.49 | 7.04 | 2.29 | 5.15 | 185.13 | 0.74 | 42.85 |
| 3.882 | 30.49 | 7.04 | 2.86 | 5.15 | 179.76 | 0.71 | 42.85 |
| 3.913 | 30.49 | 7.04 | 3.2 | 5.15 | 195.27 | 0.68 | 42.85 |
| 3.931 | 30.49 | 7.04 | 3.01 | 5.15 | 198.7 | 0.7 | 42.85 |
| 3.957 | 30.49 | 7.04 | 2.75 | 5.15 | 200.04 | 0.65 | 42.85 |
| 3.967 | 30.48 | 7.04 | 2.4 | 5.14 | 219.93 | 0.64 | 42.85 |
| 3.981 | 30.48 | 7.04 | 3.05 | 5.14 | 218.4 | 0.64 | 42.85 |
| 3.996 | 30.48 | 7.04 | 2.75 | 5.15 | 217.19 | 0.61 | 42.85 |
| 4.036 | 30.48 | 7.04 | 2.63 | 5.15 | 211.09 | 0.6 | 42.85 |
| 4.09 | 30.48 | 7.04 | 2.78 | 5.16 | 208.51 | 0.62 | 42.85 |
| 4.098 | 30.48 | 7.04 | 3.17 | 5.15 | 211.38 | 0.63 | 42.85 |
| 4.104 | 30.48 | 7.04 | 2.98 | 5.15 | 207.11 | 0.64 | 42.85 |
| 4.13 | 30.48 | 7.04 | 2.9 | 5.15 | 206.59 | 0.63 | 42.85 |
| 4.154 | 30.48 | 7.04 | 3.09 | 5.15 | 208.27 | 0.59 | 42.85 |
| 4.163 | 30.48 | 7.04 | 3.28 | 5.16 | 208.94 | 0.7 | 42.85 |
| 4.174 | 30.48 | 7.04 | 3.4 | 5.16 | 210.79 | 0.68 | 42.85 |
| 4.201 | 30.48 | 7.04 | 3.78 | 5.16 | 207.3 | 0.68 | 42.85 |
| 4.204 | 30.48 | 7.04 | 3.51 | 5.14 | 217.85 | 0.67 | 42.85 |
| 4.21 | 30.49 | 7.04 | 3.82 | 5.14 | 214.59 | 0.61 | 42.85 |
| 4.241 | 30.49 | 7.04 | 3.55 | 5.14 | 210.31 | 0.61 | 42.85 |
| 4.272 | 30.48 | 7.04 | 3.66 | 5.14 | 207.26 | 0.64 | 42.85 |
| 4.274 | 30.49 | 7.04 | 2.52 | 5.14 | 214.94 | 0.65 | 42.85 |
| 4.277 | 30.49 | 7.04 | 2.48 | 5.14 | 214.29 | 0.62 | 42.85 |
| 4.3 | 30.49 | 7.04 | 3.32 | 5.14 | 211.38 | 0.62 | 42.85 |
| 4.338 | 30.48 | 7.04 | 3.55 | 5.14 | 208.27 | 0.64 | 42.85 |
| 4.368 | 30.48 | 7.04 | 4.0 | 5.15 | 204.58 | 0.67 | 42.85 |
| 4.37 | 30.48 | 7.04 | 3.82 | 5.15 | 209.77 | 0.62 | 42.85 |
| 4.372 | 30.48 | 7.04 | 3.93 | 5.14 | 208.41 | 0.6 | 42.85 |
| 4.379 | 30.48 | 7.04 | 3.89 | 5.15 | 204.82 | 0.59 | 42.85 |
| 4.391 | 30.48 | 7.04 | 4.04 | 5.15 | 201.95 | 0.59 | 42.85 |
| 4.402 | 30.48 | 7.04 | 4.12 | 5.15 | 202.13 | 0.56 | 42.85 |
| 4.415 | 30.48 | 7.04 | 4.12 | 5.15 | 199.67 | 0.55 | 42.85 |
| 4.433 | 30.48 | 7.04 | 4.23 | 5.15 | 196.86 | 0.55 | 42.85 |
| 4.45 | 30.48 | 7.04 | 4.08 | 5.15 | 197.14 | 0.54 | 42.85 |
| 4.452 | 30.48 | 7.04 | 3.82 | 5.13 | 194.77 | 0.55 | 42.85 |
| 4.463 | 30.48 | 7.04 | 4.08 | 5.12 | 195.82 | 0.55 | 42.85 |
| 4.464 | 30.48 | 7.04 | 3.05 | 5.13 | 201.38 | 0.6 | 42.85 |
| 4.48 | 30.48 | 7.04 | 2.9 | 5.13 | 199.48 | 0.56 | 42.85 |
| 4.513 | 30.48 | 7.04 | 4.2 | 5.14 | 195.72 | 0.58 | 42.85 |
| 4.536 | 30.49 | 7.04 | 4.0 | 5.14 | 199.99 | 0.55 | 42.85 |
| 4.543 | 30.49 | 7.04 | 3.89 | 5.14 | 195.82 | 0.56 | 42.85 |
| 4.57 | 30.49 | 7.04 | 3.85 | 5.14 | 192.8 | 0.57 | 42.85 |
| 4.596 | 30.48 | 7.04 | 3.62 | 5.14 | 191.91 | 0.59 | 42.85 |
| 4.606 | 30.48 | 7.04 | 3.74 | 5.13 | 190.36 | 0.53 | 42.85 |
| 4.612 | 30.48 | 7.04 | 3.85 | 5.13 | 188.86 | 0.57 | 42.85 |
| 4.627 | 30.48 | 7.04 | 3.82 | 5.14 | 187.6 | 0.57 | 42.85 |
| 4.643 | 30.48 | 7.04 | 4.04 | 5.14 | 185.26 | 0.52 | 42.85 |
| 4.659 | 30.48 | 7.04 | 4.08 | 5.14 | 184.75 | 0.57 | 42.85 |
| 4.675 | 30.48 | 7.04 | 4.35 | 5.14 | 181.31 | 0.56 | 42.85 |
| 4.684 | 30.48 | 7.04 | 4.04 | 5.14 | 181.1 | 0.61 | 42.85 |
| 4.687 | 30.48 | 7.04 | 4.62 | 5.14 | 184.15 | 0.58 | 42.85 |
| 4.698 | 30.49 | 7.04 | 4.35 | 5.14 | 184.75 | 0.55 | 42.85 |

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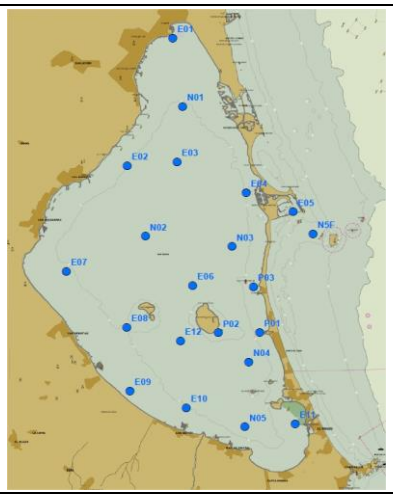
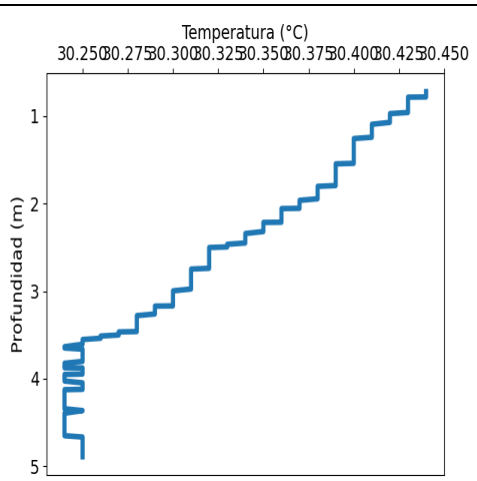
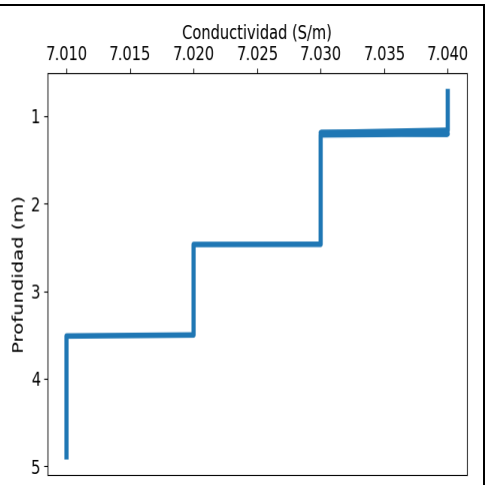
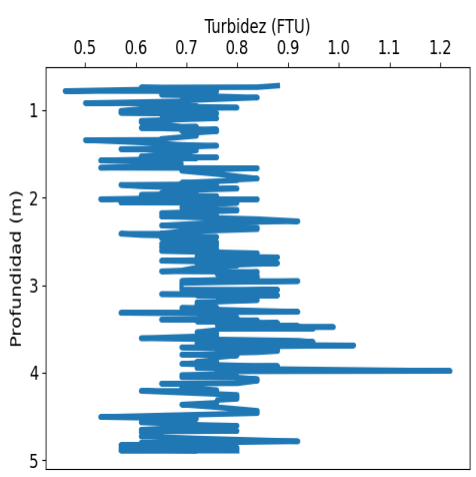
|---|---|---|---|---|---|---|---|
| 4.722 | 30.49 | 7.04 | 4.0 | 5.15 | 182.66 | 0.59 | 42.85 |
| 4.745 | 30.48 | 7.04 | 4.16 | 5.14 | 177.16 | 0.58 | 42.85 |
| 4.761 | 30.48 | 7.04 | 4.04 | 5.14 | 171.9 | 0.53 | 42.85 |
| 4.779 | 30.48 | 7.04 | 3.93 | 5.14 | 167.73 | 0.61 | 42.85 |
| 4.796 | 30.48 | 7.04 | 3.17 | 5.14 | 161.21 | 0.59 | 42.85 |
| 4.807 | 30.48 | 7.04 | 2.9 | 5.14 | 152.52 | 0.56 | 42.85 |
| 4.814 | 30.48 | 7.04 | 3.28 | 5.14 | 143.14 | 0.56 | 42.85 |
| 4.825 | 30.48 | 7.04 | 3.62 | 5.14 | 135.64 | 0.6 | 42.85 |
| 4.841 | 30.48 | 7.04 | 3.36 | 5.14 | 130.07 | 0.57 | 42.85 |
| 4.861 | 30.48 | 7.04 | 3.2 | 5.14 | 122.3 | 0.61 | 42.85 |
| 4.877 | 30.48 | 7.04 | 4.5 | 5.12 | 102.12 | 0.66 | 42.85 |
| 4.878 | 30.48 | 7.04 | 4.42 | 5.13 | 96.82 | 0.62 | 42.85 |
| 4.903 | 30.48 | 7.04 | 4.77 | 5.13 | 92.02 | 0.61 | 42.85 |
| 4.93 | 30.48 | 7.04 | 4.62 | 5.14 | 87.75 | 0.6 | 42.85 |
| 4.959 | 30.48 | 7.04 | 4.65 | 5.14 | 83.39 | 0.62 | 42.85 |
| 5.023 | 30.48 | 7.04 | 4.46 | 5.14 | 80.13 | 0.62 | 42.85 |
| 5.026 | 30.48 | 7.04 | 4.35 | 5.13 | 82.78 | 0.62 | 42.85 |
| 5.027 | 30.48 | 7.04 | 4.5 | 5.12 | 81.44 | 0.56 | 42.85 |
| 5.072 | 30.48 | 7.04 | 4.54 | 5.13 | 78.97 | 0.62 | 42.85 |
| 5.125 | 30.48 | 7.04 | 4.54 | 5.13 | 78.48 | 0.61 | 42.85 |
| 5.132 | 30.49 | 7.04 | 5.23 | 5.15 | 80.45 | 0.59 | 42.85 |
| 5.135 | 30.49 | 7.04 | 4.5 | 5.15 | 79.47 | 0.58 | 42.85 |
| 5.167 | 30.49 | 7.04 | 4.81 | 5.15 | 77.07 | 0.62 | 42.85 |
| 5.207 | 30.49 | 7.04 | 4.54 | 5.15 | 75.87 | 0.56 | 42.85 |
| 5.228 | 30.48 | 7.04 | 4.5 | 5.15 | 76.11 | 0.57 | 42.85 |
| 5.235 | 30.48 | 7.04 | 4.58 | 5.15 | 75.97 | 0.56 | 42.85 |
| 5.243 | 30.48 | 7.04 | 4.54 | 5.16 | 75.18 | 0.56 | 42.85 |
| 5.26 | 30.48 | 7.04 | 4.35 | 5.15 | 73.99 | 0.59 | 42.85 |
| 5.279 | 30.48 | 7.04 | 4.65 | 5.15 | 73.73 | 0.54 | 42.85 |
| 5.297 | 30.48 | 7.04 | 4.5 | 5.14 | 73.31 | 0.54 | 42.85 |
| 5.317 | 30.48 | 7.04 | 4.5 | 5.14 | 72.41 | 0.54 | 42.85 |
| 5.341 | 30.48 | 7.04 | 4.5 | 5.14 | 71.58 | 0.61 | 42.85 |
| 5.355 | 30.48 | 7.04 | 4.62 | 5.13 | 70.95 | 0.56 | 42.85 |
| 5.365 | 30.48 | 7.04 | 4.46 | 5.13 | 69.99 | 0.53 | 42.85 |
| 5.385 | 30.49 | 7.04 | 5.15 | 5.14 | 68.89 | 0.54 | 42.85 |
| 5.446 | 30.49 | 7.04 | 5.0 | 5.15 | 66.48 | 0.57 | 42.85 |
| 5.455 | 30.49 | 7.04 | 5.15 | 5.15 | 66.76 | 0.55 | 42.85 |
| 5.461 | 30.49 | 7.04 | 5.04 | 5.15 | 66.82 | 0.51 | 42.85 |
| 5.477 | 30.49 | 7.04 | 4.88 | 5.15 | 66.29 | 0.59 | 42.85 |
| 5.498 | 30.49 | 7.04 | 4.96 | 5.15 | 66.26 | 0.51 | 42.84 |
| 5.504 | 30.48 | 7.04 | 4.12 | 5.15 | 68.5 | 0.57 | 42.85 |
| 5.52 | 30.48 | 7.04 | 4.12 | 5.15 | 68.02 | 0.56 | 42.85 |
| 5.543 | 30.48 | 7.04 | 4.35 | 5.14 | 69.94 | 0.48 | 42.85 |
| 5.573 | 30.48 | 7.04 | 4.42 | 5.14 | 67.74 | 0.51 | 42.85 |
| 5.612 | 30.48 | 7.04 | 4.62 | 5.14 | 67.08 | 0.55 | 42.85 |
| 5.624 | 30.48 | 7.04 | 4.16 | 5.14 | 65.77 | 0.55 | 42.85 |
| 5.63 | 30.48 | 7.04 | 4.31 | 5.13 | 65.12 | 0.52 | 42.85 |
| 5.638 | 30.48 | 7.04 | 4.12 | 5.13 | 64.71 | 0.52 | 42.85 |
| 5.642 | 30.48 | 7.04 | 3.85 | 5.14 | 64.85 | 0.5 | 42.85 |
| 5.645 | 30.48 | 7.04 | 4.08 | 5.14 | 63.98 | 0.48 | 42.85 |
| 5.646 | 30.48 | 7.04 | 4.12 | 5.14 | 63.69 | 0.54 | 42.85 |
| 5.647 | 30.48 | 7.04 | 4.08 | 5.13 | 63.32 | 0.5 | 42.85 |

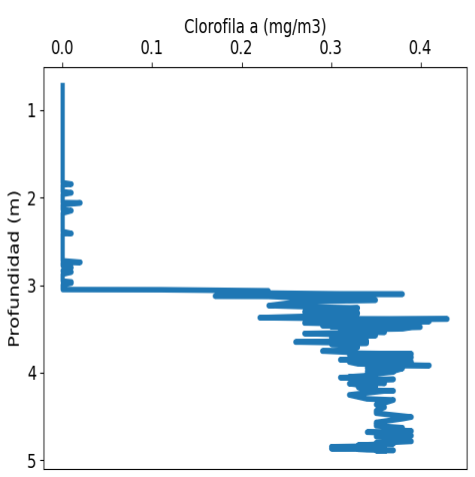
**Nombre: CTD E10 - Punto 018** **Fecha: 08/08/2022** **Hora: 10:08:38**

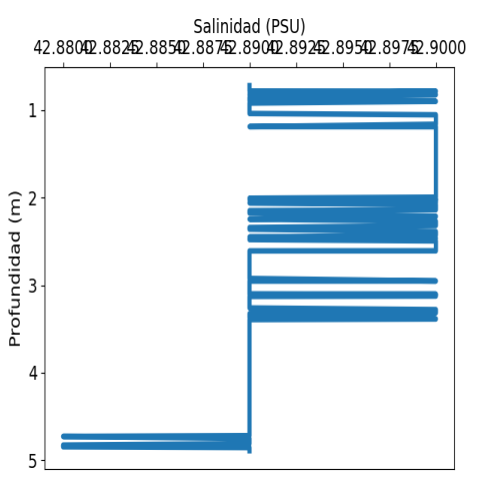


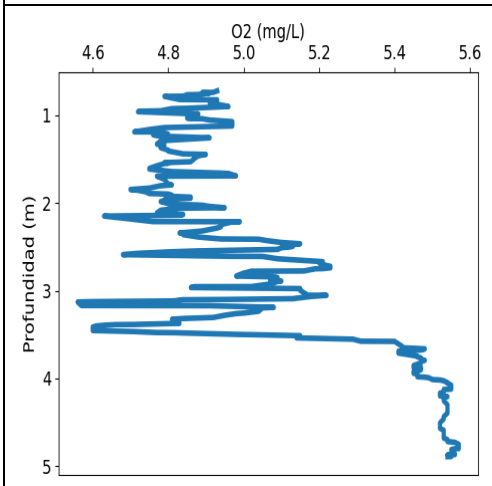



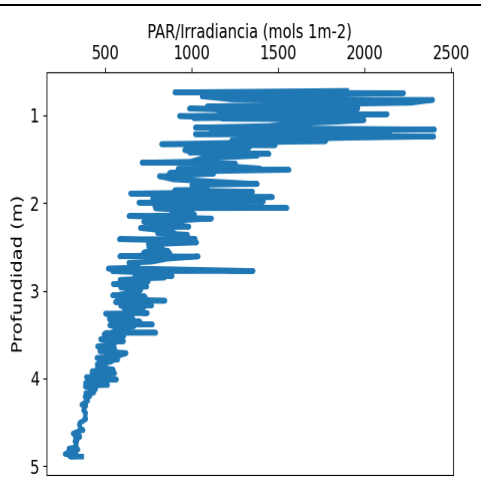




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m$^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.24 | 7.01 | 0.46 | 4.56 | 266.52 | 0.0 | 42.88 |
| **PROF (metros)** | 3.635 | 3.513 | 0.782 | 3.129 | 4.862 | 0.721 | 4.729 |
| **MÁXIMO** | 30.44 | 30.44 | 1.22 | 5.57 | 2405.9 | 0.43 | 42.9 |
| **PROF (metros)** | 0.721 | 0.721 | 3.981 | 4.752 | 1.162 | 3.387 | 0.784 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E10 - Punto 018 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.43 | 7.04 | 0.68 | 4.86 | 1545.01 | 0.0 | 42.89 |
| 1 - 2m | 30.4 | 7.03 | 0.68 | 4.82 | 1225.31 | 0.0 | 42.9 |
| 2 - 3m | 30.33 | 7.02 | 0.73 | 4.98 | 826.6 | 0.0 | 42.89 |
| 3 - 4m | 30.27 | 7.02 | 0.79 | 5.12 | 571.98 | 0.32 | 42.89 |
| 4 - 5m | 30.25 | 7.01 | 0.71 | 5.54 | 368.93 | 0.35 | 42.89 |

| 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 | 30.44 | 7.04 | 0.88 | 4.93 | 1897.6 | 0.0 | 42.89 |
| 0.738 | 30.44 | 7.04 | 0.84 | 4.92 | 901.13 | 0.0 | 42.89 |
| 0.742 | 30.44 | 7.04 | 0.61 | 4.89 | 1313.9 | 0.0 | 42.89 |
| 0.747 | 30.44 | 7.04 | 0.65 | 4.91 | 2227.2 | 0.0 | 42.89 |
| 0.763 | 30.44 | 7.04 | 0.61 | 4.88 | 1733.2 | 0.0 | 42.89 |
| 0.766 | 30.44 | 7.04 | 0.61 | 4.85 | 1547.5 | 0.0 | 42.89 |
| 0.782 | 30.44 | 7.04 | 0.46 | 4.84 | 1430.5 | 0.0 | 42.89 |
| 0.784 | 30.43 | 7.04 | 0.76 | 4.79 | 1058.9 | 0.0 | 42.9 |
| 0.82 | 30.43 | 7.04 | 0.69 | 4.83 | 1237.6 | 0.0 | 42.89 |
| 0.824 | 30.43 | 7.04 | 0.65 | 4.93 | 2395.3 | 0.0 | 42.9 |
| 0.857 | 30.43 | 7.04 | 0.84 | 4.91 | 2271.0 | 0.0 | 42.89 |
| 0.891 | 30.43 | 7.04 | 0.69 | 4.95 | 1244.5 | 0.0 | 42.89 |
| 0.9 | 30.43 | 7.04 | 0.69 | 4.96 | 1088.0 | 0.0 | 42.9 |
| 0.92 | 30.43 | 7.04 | 0.5 | 4.85 | 1962.9 | 0.0 | 42.89 |
| 0.924 | 30.43 | 7.04 | 0.61 | 4.81 | 985.69 | 0.0 | 42.89 |
| 0.949 | 30.43 | 7.04 | 0.69 | 4.78 | 1393.9 | 0.0 | 42.89 |
| 0.953 | 30.43 | 7.04 | 0.72 | 4.73 | 1381.7 | 0.0 | 42.89 |
| 0.959 | 30.43 | 7.04 | 0.69 | 4.72 | 1862.7 | 0.0 | 42.89 |
| 0.972 | 30.42 | 7.04 | 0.8 | 4.8 | 1158.0 | 0.0 | 42.89 |
| 0.985 | 30.42 | 7.04 | 0.61 | 4.88 | 1221.7 | 0.0 | 42.89 |
| 0.988 | 30.42 | 7.04 | 0.61 | 4.87 | 2132.2 | 0.0 | 42.89 |
| 1.008 | 30.42 | 7.04 | 0.57 | 4.87 | 927.83 | 0.0 | 42.89 |
| 1.026 | 30.42 | 7.04 | 0.57 | 4.87 | 1188.2 | 0.0 | 42.89 |
| 1.027 | 30.42 | 7.04 | 0.69 | 4.86 | 1135.4 | 0.0 | 42.89 |
| 1.031 | 30.42 | 7.04 | 0.57 | 4.85 | 1008.6 | 0.0 | 42.89 |
| 1.038 | 30.42 | 7.04 | 0.65 | 4.86 | 1815.4 | 0.0 | 42.89 |
| 1.039 | 30.42 | 7.04 | 0.76 | 4.89 | 1176.9 | 0.0 | 42.89 |
| 1.054 | 30.42 | 7.04 | 0.65 | 4.91 | 1998.3 | 0.0 | 42.9 |
| 1.072 | 30.42 | 7.04 | 0.69 | 4.97 | 1857.1 | 0.0 | 42.9 |
| 1.094 | 30.41 | 7.04 | 0.76 | 4.97 | 1586.7 | 0.0 | 42.9 |
| 1.122 | 30.41 | 7.04 | 0.61 | 4.97 | 1448.2 | 0.0 | 42.9 |
| 1.14 | 30.41 | 7.04 | 0.61 | 4.79 | 1019.6 | 0.0 | 42.9 |
| 1.162 | 30.41 | 7.04 | 0.65 | 4.75 | 2405.9 | 0.0 | 42.9 |
| 1.189 | 30.41 | 7.03 | 0.69 | 4.71 | 1504.0 | 0.0 | 42.89 |
| 1.19 | 30.41 | 7.03 | 0.72 | 4.78 | 1112.5 | 0.0 | 42.9 |
| 1.204 | 30.41 | 7.04 | 0.61 | 4.79 | 1849.8 | 0.0 | 42.9 |
| 1.215 | 30.41 | 7.03 | 0.69 | 4.8 | 1019.4 | 0.0 | 42.9 |

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|---|---|---|---|---|---|---|---|
| 1.222 | 30.41 | 7.03 | 0.76 | 4.76 | 2146.6 | 0.0 | 42.9 |
| 1.232 | 30.41 | 7.03 | 0.72 | 4.77 | 1267.8 | 0.0 | 42.9 |
| 1.24 | 30.41 | 7.03 | 0.69 | 4.79 | 1333.5 | 0.0 | 42.9 |
| 1.242 | 30.41 | 7.03 | 0.76 | 4.81 | 2402.0 | 0.0 | 42.9 |
| 1.257 | 30.4 | 7.03 | 0.72 | 4.91 | 1895.4 | 0.0 | 42.9 |
| 1.285 | 30.4 | 7.03 | 0.72 | 4.8 | 1231.0 | 0.0 | 42.9 |
| 1.294 | 30.4 | 7.03 | 0.72 | 4.78 | 1776.3 | 0.0 | 42.9 |
| 1.329 | 30.4 | 7.03 | 0.65 | 4.77 | 824.39 | 0.0 | 42.9 |
| 1.34 | 30.4 | 7.03 | 0.65 | 4.79 | 1484.6 | 0.0 | 42.9 |
| 1.343 | 30.4 | 7.03 | 0.5 | 4.78 | 1005.5 | 0.0 | 42.9 |
| 1.37 | 30.4 | 7.03 | 0.61 | 4.78 | 1333.5 | 0.0 | 42.9 |
| 1.397 | 30.4 | 7.03 | 0.69 | 4.8 | 957.54 | 0.0 | 42.9 |
| 1.407 | 30.4 | 7.03 | 0.76 | 4.8 | 1036.1 | 0.0 | 42.9 |
| 1.424 | 30.4 | 7.03 | 0.69 | 4.82 | 985.92 | 0.0 | 42.9 |
| 1.44 | 30.4 | 7.03 | 0.65 | 4.84 | 1448.6 | 0.0 | 42.9 |
| 1.446 | 30.4 | 7.03 | 0.57 | 4.9 | 1183.2 | 0.0 | 42.9 |
| 1.461 | 30.4 | 7.03 | 0.72 | 4.88 | 1381.0 | 0.0 | 42.9 |
| 1.491 | 30.4 | 7.03 | 0.69 | 4.87 | 1058.6 | 0.0 | 42.9 |
| 1.529 | 30.4 | 7.03 | 0.61 | 4.86 | 994.64 | 0.0 | 42.9 |
| 1.54 | 30.4 | 7.03 | 0.76 | 4.79 | 711.24 | 0.0 | 42.9 |
| 1.546 | 30.39 | 7.03 | 0.69 | 4.8 | 1154.0 | 0.0 | 42.9 |
| 1.55 | 30.39 | 7.03 | 0.72 | 4.79 | 1254.7 | 0.0 | 42.9 |
| 1.576 | 30.39 | 7.03 | 0.53 | 4.77 | 1179.9 | 0.0 | 42.9 |
| 1.606 | 30.39 | 7.03 | 0.69 | 4.75 | 1396.1 | 0.0 | 42.9 |
| 1.613 | 30.39 | 7.03 | 0.69 | 4.75 | 919.27 | 0.0 | 42.9 |
| 1.622 | 30.39 | 7.03 | 0.65 | 4.77 | 1564.8 | 0.0 | 42.9 |
| 1.642 | 30.39 | 7.03 | 0.69 | 4.81 | 953.12 | 0.0 | 42.9 |
| 1.659 | 30.39 | 7.03 | 0.53 | 4.94 | 870.14 | 0.0 | 42.9 |
| 1.664 | 30.39 | 7.03 | 0.84 | 4.96 | 1129.3 | 0.0 | 42.9 |
| 1.691 | 30.39 | 7.03 | 0.69 | 4.98 | 902.17 | 0.0 | 42.9 |
| 1.694 | 30.39 | 7.03 | 0.69 | 4.77 | 811.69 | 0.0 | 42.9 |
| 1.731 | 30.39 | 7.03 | 0.76 | 4.79 | 893.23 | 0.0 | 42.9 |
| 1.783 | 30.39 | 7.03 | 0.84 | 4.8 | 1381.0 | 0.0 | 42.9 |
| 1.794 | 30.39 | 7.03 | 0.8 | 4.81 | 999.26 | 0.0 | 42.9 |
| 1.803 | 30.38 | 7.03 | 0.8 | 4.78 | 1081.4 | 0.0 | 42.9 |
| 1.83 | 30.38 | 7.03 | 0.69 | 4.75 | 1049.8 | 0.0 | 42.9 |
| 1.846 | 30.38 | 7.03 | 0.76 | 4.7 | 1093.0 | 0.01 | 42.9 |
| 1.855 | 30.38 | 7.03 | 0.57 | 4.72 | 900.71 | 0.0 | 42.9 |
| 1.872 | 30.38 | 7.03 | 0.61 | 4.74 | 1353.5 | 0.0 | 42.9 |
| 1.892 | 30.38 | 7.03 | 0.72 | 4.75 | 644.96 | 0.0 | 42.9 |
| 1.896 | 30.38 | 7.03 | 0.8 | 4.78 | 838.65 | 0.0 | 42.9 |
| 1.898 | 30.38 | 7.03 | 0.8 | 4.8 | 980.45 | 0.0 | 42.9 |
| 1.911 | 30.38 | 7.03 | 0.72 | 4.81 | 856.33 | 0.0 | 42.9 |
| 1.924 | 30.38 | 7.03 | 0.72 | 4.81 | 944.98 | 0.0 | 42.9 |
| 1.933 | 30.38 | 7.03 | 0.69 | 4.86 | 1468.8 | 0.0 | 42.9 |
| 1.945 | 30.38 | 7.03 | 0.65 | 4.86 | 772.77 | 0.01 | 42.9 |
| 1.963 | 30.37 | 7.03 | 0.65 | 4.79 | 917.57 | 0.0 | 42.9 |
| 1.969 | 30.37 | 7.03 | 0.61 | 4.8 | 938.86 | 0.0 | 42.9 |
| 1.983 | 30.37 | 7.03 | 0.76 | 4.78 | 1416.0 | 0.0 | 42.9 |
| 1.995 | 30.37 | 7.03 | 0.65 | 4.79 | 693.01 | 0.0 | 42.9 |
| 2.007 | 30.37 | 7.03 | 0.65 | 4.8 | 1315.4 | 0.0 | 42.89 |
| 2.018 | 30.37 | 7.03 | 0.53 | 4.81 | 809.25 | 0.0 | 42.9 |
| 2.02 | 30.37 | 7.03 | 0.84 | 4.86 | 797.33 | 0.0 | 42.89 |
| 2.025 | 30.37 | 7.03 | 0.72 | 4.89 | 1057.4 | 0.0 | 42.9 |
| 2.039 | 30.37 | 7.03 | 0.72 | 4.91 | 785.41 | 0.0 | 42.9 |
| 2.054 | 30.37 | 7.03 | 0.57 | 4.95 | 1117.4 | 0.0 | 42.9 |
| 2.057 | 30.36 | 7.03 | 0.57 | 4.87 | 1552.5 | 0.0 | 42.9 |
| 2.06 | 30.36 | 7.03 | 0.8 | 4.83 | 789.61 | 0.02 | 42.89 |

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|---|---|---|---|---|---|---|---|
| 2.082 | 30.36 | 7.03 | 0.72 | 4.78 | 1004.6 | 0.0 | 42.9 |
| 2.114 | 30.36 | 7.03 | 0.69 | 4.77 | 882.73 | 0.0 | 42.9 |
| 2.131 | 30.36 | 7.03 | 0.72 | 4.84 | 1017.7 | 0.0 | 42.9 |
| 2.139 | 30.36 | 7.03 | 0.8 | 4.83 | 1000.2 | 0.0 | 42.9 |
| 2.149 | 30.36 | 7.03 | 0.8 | 4.63 | 635.91 | 0.01 | 42.89 |
| 2.177 | 30.36 | 7.03 | 0.65 | 4.69 | 1116.3 | 0.0 | 42.89 |
| 2.212 | 30.36 | 7.03 | 0.76 | 4.76 | 809.43 | 0.0 | 42.9 |
| 2.213 | 30.36 | 7.03 | 0.65 | 4.99 | 720.86 | 0.0 | 42.9 |
| 2.215 | 30.35 | 7.03 | 0.65 | 4.97 | 737.59 | 0.0 | 42.9 |
| 2.246 | 30.35 | 7.03 | 0.84 | 4.94 | 903.01 | 0.0 | 42.89 |
| 2.27 | 30.35 | 7.03 | 0.92 | 4.94 | 985.23 | 0.0 | 42.9 |
| 2.285 | 30.35 | 7.03 | 0.76 | 4.93 | 701.41 | 0.0 | 42.9 |
| 2.319 | 30.35 | 7.03 | 0.65 | 4.89 | 857.92 | 0.0 | 42.9 |
| 2.342 | 30.34 | 7.03 | 0.76 | 4.83 | 900.5 | 0.0 | 42.89 |
| 2.344 | 30.34 | 7.03 | 0.84 | 4.84 | 801.03 | 0.0 | 42.89 |
| 2.361 | 30.34 | 7.03 | 0.84 | 4.84 | 976.6 | 0.0 | 42.89 |
| 2.388 | 30.34 | 7.03 | 0.69 | 4.88 | 887.24 | 0.0 | 42.9 |
| 2.41 | 30.34 | 7.03 | 0.65 | 4.94 | 1021.5 | 0.01 | 42.9 |
| 2.412 | 30.34 | 7.03 | 0.72 | 5.03 | 887.24 | 0.0 | 42.9 |
| 2.413 | 30.34 | 7.03 | 0.57 | 5.04 | 580.41 | 0.0 | 42.9 |
| 2.428 | 30.34 | 7.03 | 0.61 | 5.06 | 913.75 | 0.0 | 42.9 |
| 2.45 | 30.34 | 7.03 | 0.76 | 5.1 | 1029.8 | 0.0 | 42.89 |
| 2.465 | 30.33 | 7.03 | 0.65 | 5.15 | 835.55 | 0.0 | 42.9 |
| 2.467 | 30.33 | 7.02 | 0.69 | 5.14 | 747.4 | 0.0 | 42.89 |
| 2.48 | 30.33 | 7.02 | 0.72 | 5.13 | 790.16 | 0.0 | 42.89 |
| 2.495 | 30.33 | 7.02 | 0.72 | 5.13 | 763.33 | 0.0 | 42.9 |
| 2.502 | 30.32 | 7.02 | 0.69 | 5.12 | 749.83 | 0.0 | 42.9 |
| 2.51 | 30.32 | 7.02 | 0.76 | 5.1 | 829.37 | 0.0 | 42.9 |
| 2.529 | 30.32 | 7.02 | 0.65 | 5.09 | 814.7 | 0.0 | 42.9 |
| 2.546 | 30.32 | 7.02 | 0.76 | 4.88 | 864.31 | 0.0 | 42.9 |
| 2.556 | 30.32 | 7.02 | 0.72 | 4.81 | 739.48 | 0.0 | 42.9 |
| 2.566 | 30.32 | 7.02 | 0.65 | 4.76 | 720.69 | 0.0 | 42.9 |
| 2.574 | 30.32 | 7.02 | 0.69 | 4.72 | 875.39 | 0.0 | 42.9 |
| 2.589 | 30.32 | 7.02 | 0.76 | 4.68 | 866.11 | 0.0 | 42.9 |
| 2.608 | 30.32 | 7.02 | 0.72 | 4.97 | 582.43 | 0.0 | 42.9 |
| 2.609 | 30.32 | 7.02 | 0.65 | 5.05 | 1038.9 | 0.0 | 42.89 |
| 2.636 | 30.32 | 7.02 | 0.84 | 5.09 | 856.73 | 0.0 | 42.89 |
| 2.669 | 30.32 | 7.02 | 0.72 | 5.21 | 770.09 | 0.0 | 42.89 |
| 2.682 | 30.32 | 7.02 | 0.88 | 5.2 | 635.17 | 0.0 | 42.89 |
| 2.704 | 30.32 | 7.02 | 0.8 | 5.21 | 642.28 | 0.0 | 42.89 |
| 2.722 | 30.32 | 7.02 | 0.65 | 5.23 | 691.89 | 0.0 | 42.89 |
| 2.739 | 30.32 | 7.02 | 0.8 | 5.23 | 679.02 | 0.02 | 42.89 |
| 2.748 | 30.31 | 7.02 | 0.72 | 5.21 | 516.06 | 0.0 | 42.89 |
| 2.75 | 30.31 | 7.02 | 0.88 | 5.19 | 751.05 | 0.0 | 42.89 |
| 2.775 | 30.31 | 7.02 | 0.76 | 5.16 | 1356.6 | 0.0 | 42.89 |
| 2.778 | 30.31 | 7.02 | 0.8 | 5.02 | 541.05 | 0.0 | 42.89 |
| 2.8 | 30.31 | 7.02 | 0.72 | 5.0 | 804.38 | 0.01 | 42.89 |
| 2.833 | 30.31 | 7.02 | 0.69 | 4.98 | 888.27 | 0.0 | 42.89 |
| 2.842 | 30.31 | 7.02 | 0.65 | 5.08 | 669.02 | 0.0 | 42.89 |
| 2.85 | 30.31 | 7.02 | 0.84 | 5.09 | 842.94 | 0.01 | 42.89 |
| 2.876 | 30.31 | 7.02 | 0.76 | 5.07 | 584.33 | 0.0 | 42.89 |
| 2.89 | 30.31 | 7.02 | 0.8 | 5.1 | 655.67 | 0.0 | 42.89 |
| 2.895 | 30.31 | 7.02 | 0.84 | 5.09 | 749.66 | 0.0 | 42.89 |
| 2.924 | 30.31 | 7.02 | 0.84 | 5.07 | 544.95 | 0.0 | 42.89 |
| 2.953 | 30.31 | 7.02 | 0.69 | 5.02 | 741.36 | 0.0 | 42.9 |
| 2.954 | 30.31 | 7.02 | 0.92 | 4.87 | 647.06 | 0.0 | 42.89 |
| 2.964 | 30.31 | 7.02 | 0.8 | 4.86 | 587.99 | 0.01 | 42.89 |
| 2.976 | 30.31 | 7.02 | 0.69 | 5.15 | 708.44 | 0.01 | 42.89 |

| 2.997 | 30.3 | 7.02 | 0.69 | 5.15 | 705.16 | 0.0 | 42.89 |
|---|---|---|---|---|---|---|---|
| 3.051 | 30.3 | 7.02 | 0.69 | 5.17 | 566.19 | 0.0 | 42.89 |
| 3.053 | 30.3 | 7.02 | 0.88 | 5.22 | 541.05 | 0.11 | 42.89 |
| 3.065 | 30.3 | 7.02 | 0.76 | 5.18 | 729.94 | 0.23 | 42.89 |
| 3.091 | 30.3 | 7.02 | 0.84 | 5.13 | 630.92 | 0.23 | 42.89 |
| 3.1 | 30.3 | 7.02 | 0.8 | 4.95 | 641.09 | 0.31 | 42.89 |
| 3.103 | 30.3 | 7.02 | 0.65 | 4.84 | 746.54 | 0.38 | 42.9 |
| 3.107 | 30.3 | 7.02 | 0.72 | 4.83 | 678.7 | 0.27 | 42.89 |
| 3.114 | 30.3 | 7.02 | 0.76 | 4.82 | 846.86 | 0.23 | 42.9 |
| 3.117 | 30.3 | 7.02 | 0.72 | 4.81 | 622.06 | 0.34 | 42.9 |
| 3.118 | 30.3 | 7.02 | 0.88 | 4.78 | 563.31 | 0.31 | 42.9 |
| 3.125 | 30.3 | 7.02 | 0.8 | 4.59 | 586.36 | 0.17 | 42.9 |
| 3.129 | 30.3 | 7.02 | 0.76 | 4.56 | 557.47 | 0.23 | 42.89 |
| 3.169 | 30.3 | 7.02 | 0.8 | 4.57 | 769.73 | 0.32 | 42.89 |
| 3.171 | 30.29 | 7.02 | 0.84 | 4.91 | 587.72 | 0.35 | 42.89 |
| 3.19 | 30.29 | 7.02 | 0.76 | 5.08 | 724.88 | 0.27 | 42.89 |
| 3.196 | 30.29 | 7.02 | 0.72 | 5.05 | 609.08 | 0.26 | 42.89 |
| 3.234 | 30.29 | 7.02 | 0.72 | 5.04 | 612.33 | 0.23 | 42.89 |
| 3.255 | 30.29 | 7.02 | 0.76 | 5.0 | 744.46 | 0.3 | 42.89 |
| 3.261 | 30.29 | 7.02 | 0.69 | 4.98 | 499.82 | 0.33 | 42.89 |
| 3.28 | 30.28 | 7.02 | 0.76 | 4.95 | 524.99 | 0.3 | 42.9 |
| 3.305 | 30.28 | 7.02 | 0.92 | 4.92 | 655.21 | 0.27 | 42.9 |
| 3.317 | 30.28 | 7.02 | 0.57 | 4.84 | 661.01 | 0.33 | 42.9 |
| 3.325 | 30.28 | 7.02 | 0.72 | 4.81 | 522.08 | 0.33 | 42.89 |
| 3.351 | 30.28 | 7.02 | 0.76 | 4.82 | 701.25 | 0.29 | 42.89 |
| 3.372 | 30.28 | 7.02 | 0.8 | 4.83 | 645.56 | 0.22 | 42.89 |
| 3.385 | 30.28 | 7.02 | 0.76 | 4.71 | 774.2 | 0.33 | 42.9 |
| 3.387 | 30.28 | 7.02 | 0.8 | 4.66 | 667.01 | 0.43 | 42.9 |
| 3.394 | 30.28 | 7.02 | 0.65 | 4.63 | 524.02 | 0.34 | 42.89 |
| 3.402 | 30.28 | 7.02 | 0.84 | 4.61 | 668.87 | 0.32 | 42.89 |
| 3.414 | 30.28 | 7.02 | 0.72 | 4.6 | 630.77 | 0.41 | 42.89 |
| 3.432 | 30.28 | 7.02 | 0.88 | 4.6 | 576.39 | 0.27 | 42.89 |
| 3.454 | 30.28 | 7.02 | 0.76 | 4.6 | 558.5 | 0.37 | 42.89 |
| 3.462 | 30.28 | 7.02 | 0.8 | 4.67 | 634.88 | 0.29 | 42.89 |
| 3.466 | 30.27 | 7.02 | 0.92 | 4.71 | 542.93 | 0.33 | 42.89 |
| 3.477 | 30.27 | 7.02 | 0.8 | 4.77 | 597.06 | 0.3 | 42.89 |
| 3.479 | 30.27 | 7.02 | 0.99 | 4.82 | 793.64 | 0.4 | 42.89 |
| 3.482 | 30.27 | 7.02 | 0.8 | 4.84 | 503.19 | 0.39 | 42.89 |
| 3.499 | 30.27 | 7.02 | 0.95 | 4.99 | 491.32 | 0.38 | 42.89 |
| 3.501 | 30.27 | 7.02 | 0.76 | 5.02 | 573.46 | 0.37 | 42.89 |
| 3.513 | 30.26 | 7.01 | 0.76 | 5.15 | 609.78 | 0.31 | 42.89 |
| 3.538 | 30.26 | 7.01 | 0.72 | 5.14 | 573.72 | 0.36 | 42.89 |
| 3.553 | 30.25 | 7.01 | 0.76 | 5.29 | 471.57 | 0.27 | 42.89 |
| 3.576 | 30.25 | 7.01 | 0.72 | 5.31 | 606.96 | 0.35 | 42.89 |
| 3.578 | 30.25 | 7.01 | 0.76 | 5.4 | 551.69 | 0.3 | 42.89 |
| 3.607 | 30.25 | 7.01 | 0.61 | 5.41 | 554.89 | 0.3 | 42.89 |
| 3.635 | 30.24 | 7.01 | 0.92 | 5.42 | 454.09 | 0.34 | 42.89 |
| 3.65 | 30.24 | 7.01 | 0.95 | 5.42 | 550.92 | 0.26 | 42.89 |
| 3.663 | 30.25 | 7.01 | 0.72 | 5.48 | 556.44 | 0.34 | 42.89 |
| 3.676 | 30.25 | 7.01 | 0.72 | 5.47 | 513.56 | 0.3 | 42.89 |
| 3.689 | 30.25 | 7.01 | 1.03 | 5.41 | 467.22 | 0.32 | 42.89 |
| 3.711 | 30.25 | 7.01 | 0.69 | 5.41 | 621.92 | 0.33 | 42.89 |
| 3.746 | 30.25 | 7.01 | 0.88 | 5.46 | 569.22 | 0.31 | 42.89 |
| 3.753 | 30.25 | 7.01 | 0.88 | 5.46 | 526.82 | 0.29 | 42.89 |
| 3.767 | 30.25 | 7.01 | 0.84 | 5.47 | 449.9 | 0.32 | 42.89 |
| 3.777 | 30.25 | 7.01 | 0.76 | 5.47 | 520.99 | 0.32 | 42.89 |
| 3.786 | 30.25 | 7.01 | 0.8 | 5.47 | 573.59 | 0.39 | 42.89 |
| 3.794 | 30.25 | 7.01 | 0.69 | 5.48 | 467.22 | 0.32 | 42.89 |

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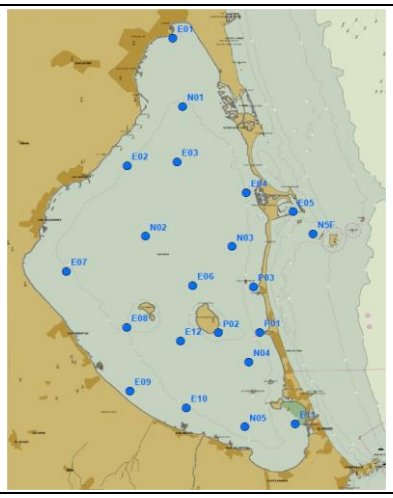
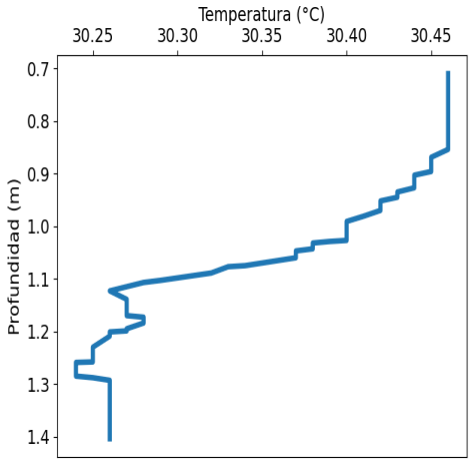
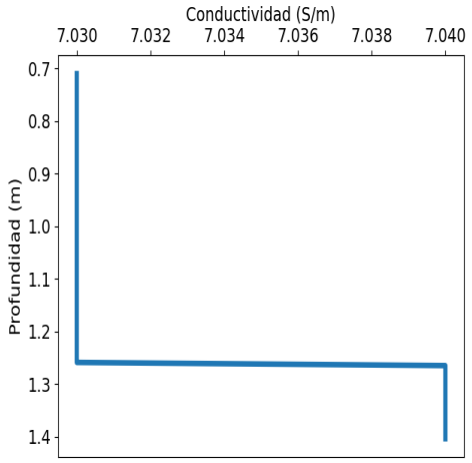
| 3.795 | 30.25 | 7.01 | 0.76 | 5.47 | 485.43 | 0.34 | 42.89 |
| 3.803 | 30.25 | 7.01 | 0.8 | 5.47 | 539.8 | 0.35 | 42.89 |
| 3.824 | 30.24 | 7.01 | 0.76 | 5.47 | 502.49 | 0.39 | 42.89 |
| 3.839 | 30.24 | 7.01 | 0.76 | 5.46 | 451.67 | 0.36 | 42.89 |
| 3.84 | 30.24 | 7.01 | 0.76 | 5.46 | 496.01 | 0.34 | 42.89 |
| 3.853 | 30.24 | 7.01 | 0.76 | 5.45 | 497.16 | 0.31 | 42.89 |
| 3.876 | 30.24 | 7.01 | 0.72 | 5.45 | 452.72 | 0.39 | 42.89 |
| 3.878 | 30.25 | 7.01 | 0.76 | 5.47 | 486.56 | 0.32 | 42.89 |
| 3.9 | 30.25 | 7.01 | 0.69 | 5.47 | 547.48 | 0.33 | 42.89 |
| 3.918 | 30.25 | 7.01 | 0.8 | 5.46 | 422.51 | 0.41 | 42.89 |
| 3.925 | 30.25 | 7.01 | 0.88 | 5.45 | 518.94 | 0.35 | 42.89 |
| 3.942 | 30.25 | 7.01 | 0.72 | 5.45 | 555.66 | 0.35 | 42.89 |
| 3.947 | 30.25 | 7.01 | 0.72 | 5.46 | 421.92 | 0.34 | 42.89 |
| 3.952 | 30.24 | 7.01 | 0.76 | 5.46 | 501.56 | 0.38 | 42.89 |
| 3.981 | 30.24 | 7.01 | 1.22 | 5.46 | 461.73 | 0.37 | 42.89 |
| 3.986 | 30.24 | 7.01 | 0.76 | 5.48 | 389.22 | 0.34 | 42.89 |
| 3.992 | 30.24 | 7.01 | 0.8 | 5.49 | 450.31 | 0.37 | 42.89 |
| 4.013 | 30.24 | 7.01 | 0.76 | 5.5 | 566.19 | 0.35 | 42.89 |
| 4.018 | 30.24 | 7.01 | 0.76 | 5.52 | 505.17 | 0.34 | 42.89 |
| 4.027 | 30.24 | 7.01 | 0.69 | 5.53 | 504.36 | 0.35 | 42.89 |
| 4.048 | 30.25 | 7.01 | 0.69 | 5.54 | 495.2 | 0.32 | 42.89 |
| 4.052 | 30.25 | 7.01 | 0.69 | 5.54 | 384.29 | 0.33 | 42.89 |
| 4.056 | 30.25 | 7.01 | 0.8 | 5.54 | 482.4 | 0.31 | 42.89 |
| 4.075 | 30.25 | 7.01 | 0.84 | 5.55 | 514.99 | 0.34 | 42.89 |
| 4.076 | 30.25 | 7.01 | 0.8 | 5.55 | 479.28 | 0.37 | 42.89 |
| 4.092 | 30.25 | 7.01 | 0.84 | 5.55 | 382.96 | 0.33 | 42.89 |
| 4.122 | 30.25 | 7.01 | 0.8 | 5.55 | 445.33 | 0.36 | 42.89 |
| 4.125 | 30.24 | 7.01 | 0.65 | 5.54 | 443.68 | 0.32 | 42.89 |
| 4.126 | 30.24 | 7.01 | 0.72 | 5.53 | 438.88 | 0.32 | 42.89 |
| 4.163 | 30.24 | 7.01 | 0.72 | 5.53 | 433.62 | 0.35 | 42.89 |
| 4.167 | 30.24 | 7.01 | 0.69 | 5.52 | 385.9 | 0.33 | 42.89 |
| 4.2 | 30.24 | 7.01 | 0.76 | 5.52 | 412.92 | 0.34 | 42.89 |
| 4.208 | 30.24 | 7.01 | 0.76 | 5.54 | 405.43 | 0.37 | 42.89 |
| 4.209 | 30.24 | 7.01 | 0.61 | 5.53 | 381.63 | 0.36 | 42.89 |
| 4.254 | 30.24 | 7.01 | 0.8 | 5.53 | 399.46 | 0.32 | 42.89 |
| 4.3 | 30.24 | 7.01 | 0.8 | 5.54 | 363.42 | 0.34 | 42.89 |
| 4.312 | 30.24 | 7.01 | 0.76 | 5.54 | 388.68 | 0.37 | 42.89 |
| 4.344 | 30.24 | 7.01 | 0.76 | 5.54 | 376.36 | 0.36 | 42.89 |
| 4.365 | 30.25 | 7.01 | 0.69 | 5.54 | 373.58 | 0.35 | 42.89 |
| 4.395 | 30.24 | 7.01 | 0.76 | 5.54 | 387.78 | 0.36 | 42.89 |
| 4.436 | 30.24 | 7.01 | 0.84 | 5.53 | 382.78 | 0.35 | 42.89 |
| 4.463 | 30.24 | 7.01 | 0.84 | 5.53 | 388.59 | 0.35 | 42.89 |
| 4.507 | 30.24 | 7.01 | 0.53 | 5.52 | 352.47 | 0.39 | 42.89 |
| 4.526 | 30.24 | 7.01 | 0.72 | 5.52 | 348.65 | 0.38 | 42.89 |
| 4.569 | 30.24 | 7.01 | 0.61 | 5.52 | 357.07 | 0.35 | 42.89 |
| 4.59 | 30.24 | 7.01 | 0.72 | 5.53 | 372.63 | 0.36 | 42.89 |
| 4.592 | 30.24 | 7.01 | 0.69 | 5.53 | 358.56 | 0.35 | 42.89 |
| 4.607 | 30.24 | 7.01 | 0.8 | 5.53 | 340.58 | 0.35 | 42.89 |
| 4.629 | 30.24 | 7.01 | 0.69 | 5.53 | 312.88 | 0.38 | 42.89 |
| 4.652 | 30.24 | 7.01 | 0.61 | 5.53 | 351.32 | 0.37 | 42.89 |
| 4.667 | 30.25 | 7.01 | 0.8 | 5.53 | 354.1 | 0.39 | 42.89 |
| 4.672 | 30.25 | 7.01 | 0.65 | 5.53 | 348.57 | 0.37 | 42.89 |
| 4.68 | 30.25 | 7.01 | 0.61 | 5.53 | 325.68 | 0.34 | 42.89 |
| 4.697 | 30.25 | 7.01 | 0.65 | 5.54 | 338.53 | 0.38 | 42.89 |
| 4.72 | 30.25 | 7.01 | 0.65 | 5.54 | 322.98 | 0.39 | 42.89 |
| 4.729 | 30.25 | 7.01 | 0.61 | 5.56 | 335.1 | 0.35 | 42.88 |
| 4.752 | 30.25 | 7.01 | 0.72 | 5.57 | 329.25 | 0.38 | 42.89 |
| 4.785 | 30.25 | 7.01 | 0.92 | 5.57 | 334.94 | 0.39 | 42.89 |

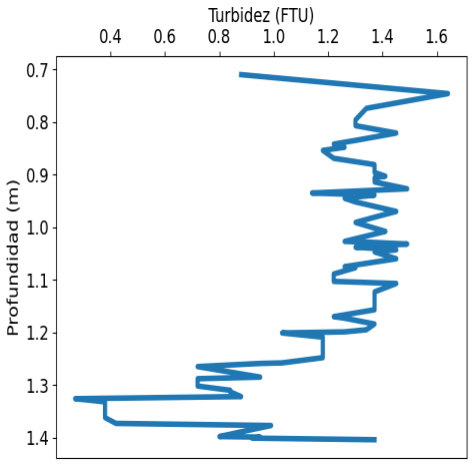
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.8 | 30.25 | 7.01 | 0.72 | 5.57 | 288.84 | 0.36 | 42.89 |
| 4.801 | 30.25 | 7.01 | 0.61 | 5.56 | 296.3 | 0.35 | 42.89 |
| 4.811 | 30.25 | 7.01 | 0.69 | 5.55 | 343.04 | 0.37 | 42.89 |
| 4.828 | 30.25 | 7.01 | 0.57 | 5.55 | 285.84 | 0.33 | 42.88 |
| 4.838 | 30.25 | 7.01 | 0.65 | 5.55 | 287.7 | 0.35 | 42.88 |
| 4.847 | 30.25 | 7.01 | 0.61 | 5.55 | 330.86 | 0.3 | 42.88 |
| 4.856 | 30.25 | 7.01 | 0.8 | 5.55 | 296.57 | 0.35 | 42.89 |
| 4.862 | 30.25 | 7.01 | 0.61 | 5.56 | 266.52 | 0.36 | 42.89 |
| 4.865 | 30.25 | 7.01 | 0.57 | 5.56 | 296.64 | 0.35 | 42.89 |
| 4.868 | 30.25 | 7.01 | 0.61 | 5.56 | 314.63 | 0.3 | 42.89 |
| 4.871 | 30.25 | 7.01 | 0.72 | 5.54 | 288.84 | 0.36 | 42.89 |
| 4.875 | 30.25 | 7.01 | 0.72 | 5.54 | 287.63 | 0.33 | 42.89 |
| 4.881 | 30.25 | 7.01 | 0.69 | 5.55 | 318.44 | 0.34 | 42.89 |
| 4.885 | 30.25 | 7.01 | 0.65 | 5.55 | 336.89 | 0.36 | 42.89 |
| 4.888 | 30.25 | 7.01 | 0.72 | 5.55 | 331.85 | 0.37 | 42.89 |
| 4.89 | 30.25 | 7.01 | 0.57 | 5.55 | 295.61 | 0.36 | 42.89 |
| 4.891 | 30.25 | 7.01 | 0.69 | 5.55 | 329.63 | 0.35 | 42.89 |
| 4.892 | 30.25 | 7.01 | 0.8 | 5.54 | 364.6 | 0.36 | 42.89 |

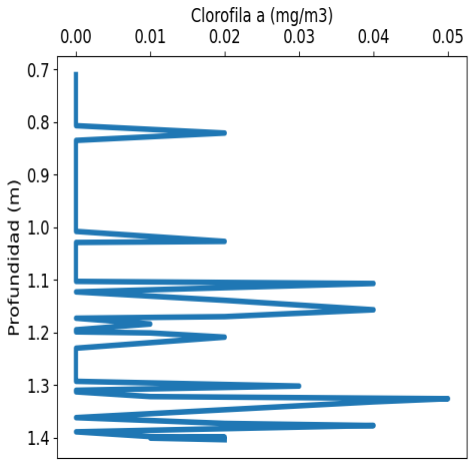
**Nombre: CTD E09 - Punto 019** **Fecha: 08/08/2022** **Hora: 10:08:20**

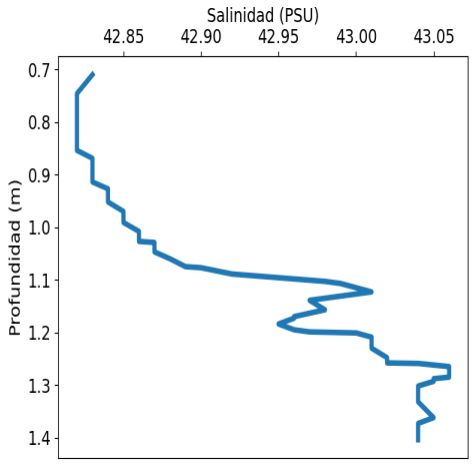


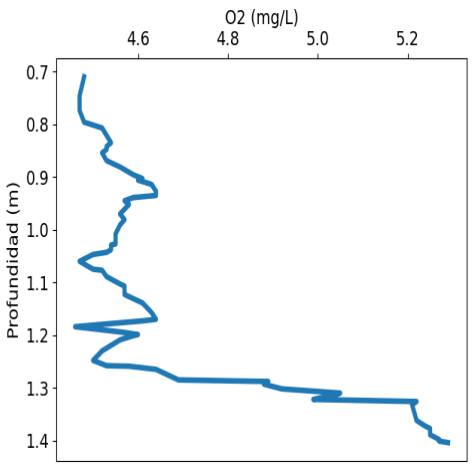



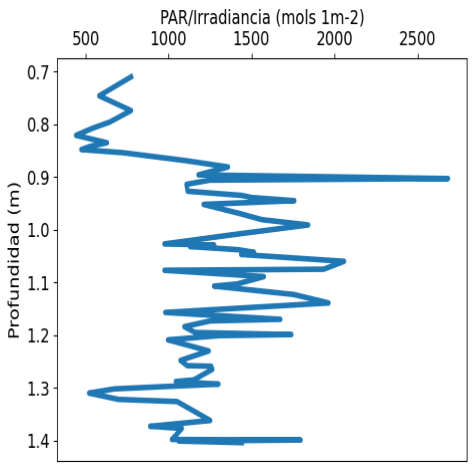




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.24 | 7.03 | 0.27 | 4.46 | 443.07 | 0.0 | 42.82 |
| **PROF (metros)** | 1.259 | 0.71 | 1.326 | 1.184 | 0.821 | 0.71 | 0.746 |
| **MÁXIMO** | 30.46 | 30.46 | 1.64 | 5.29 | 2683.4 | 0.05 | 43.06 |
| **PROF (metros)** | 0.71 | 1.265 | 0.746 | 1.404 | 0.903 | 1.326 | 1.265 |

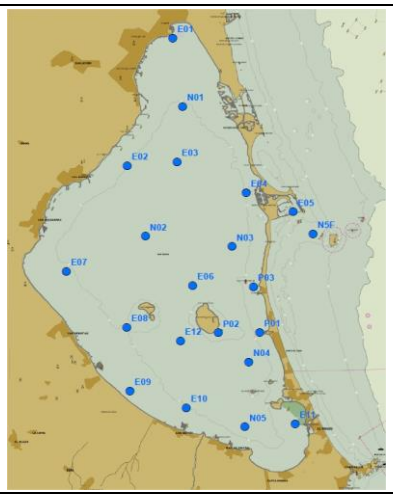
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E09 - Punto 019 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.44 | 7.03 | 1.32 | 4.55 | 1111.7 | 0.0 | 42.83 |
| 1 - 2m | 30.29 | 7.03 | 1.08 | 4.77 | 1243.67 | 0.01 | 42.98 |

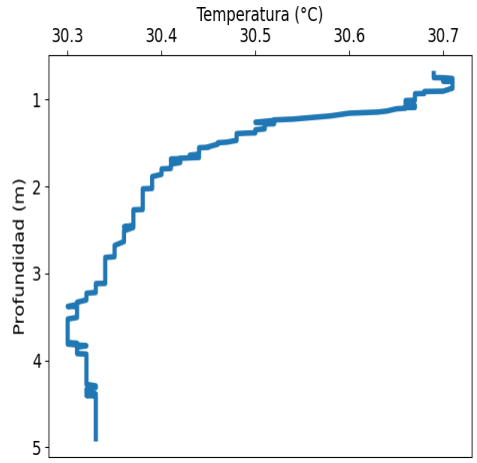
| OBSERVACIONES GENERALES |
|---|
| |

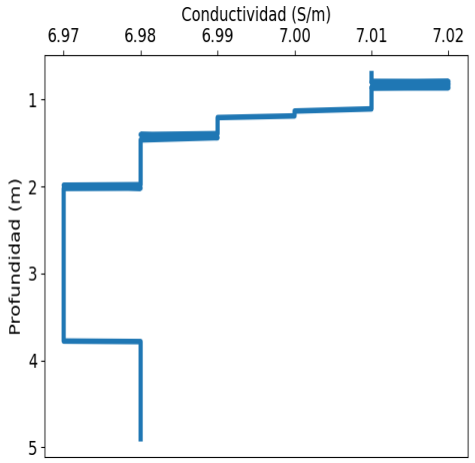
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.71 | 30.46 | 7.03 | 0.88 | 4.48 | 775.1 | 0.0 | 42.83 |
| 0.746 | 30.46 | 7.03 | 1.64 | 4.47 | 582.84 | 0.0 | 42.82 |
| 0.774 | 30.46 | 7.03 | 1.34 | 4.47 | 775.1 | 0.0 | 42.82 |
| 0.796 | 30.46 | 7.03 | 1.3 | 4.48 | 644.96 | 0.0 | 42.82 |
| 0.807 | 30.46 | 7.03 | 1.3 | 4.52 | 547.23 | 0.0 | 42.82 |
| 0.821 | 30.46 | 7.03 | 1.45 | 4.53 | 443.07 | 0.02 | 42.82 |
| 0.835 | 30.46 | 7.03 | 1.3 | 4.54 | 629.9 | 0.0 | 42.82 |
| 0.842 | 30.46 | 7.03 | 1.22 | 4.53 | 527.8 | 0.0 | 42.82 |
| 0.848 | 30.46 | 7.03 | 1.26 | 4.53 | 475.08 | 0.0 | 42.82 |
| 0.854 | 30.46 | 7.03 | 1.18 | 4.52 | 727.74 | 0.0 | 42.82 |
| 0.869 | 30.45 | 7.03 | 1.22 | 4.53 | 1104.2 | 0.0 | 42.83 |
| 0.881 | 30.45 | 7.03 | 1.37 | 4.56 | 1359.1 | 0.0 | 42.83 |
| 0.896 | 30.45 | 7.03 | 1.37 | 4.59 | 1180.2 | 0.0 | 42.83 |
| 0.903 | 30.44 | 7.03 | 1.41 | 4.61 | 2683.4 | 0.0 | 42.83 |
| 0.906 | 30.44 | 7.03 | 1.37 | 4.6 | 1248.6 | 0.0 | 42.83 |
| 0.914 | 30.44 | 7.03 | 1.37 | 4.63 | 1108.1 | 0.0 | 42.83 |
| 0.927 | 30.44 | 7.03 | 1.49 | 4.64 | 1115.3 | 0.0 | 42.84 |
| 0.935 | 30.43 | 7.03 | 1.14 | 4.64 | 1440.9 | 0.0 | 42.84 |
| 0.939 | 30.43 | 7.03 | 1.37 | 4.59 | 1501.2 | 0.0 | 42.84 |
| 0.945 | 30.43 | 7.03 | 1.26 | 4.57 | 1758.3 | 0.0 | 42.84 |
| 0.952 | 30.42 | 7.03 | 1.3 | 4.58 | 1210.4 | 0.0 | 42.84 |
| 0.97 | 30.42 | 7.03 | 1.45 | 4.56 | 1436.9 | 0.0 | 42.85 |
| 0.981 | 30.41 | 7.03 | 1.37 | 4.57 | 1563.7 | 0.0 | 42.85 |
| 0.991 | 30.4 | 7.03 | 1.3 | 4.56 | 1841.7 | 0.0 | 42.85 |
| 1.008 | 30.4 | 7.03 | 1.41 | 4.55 | 1422.9 | 0.0 | 42.86 |
| 1.027 | 30.4 | 7.03 | 1.26 | 4.55 | 975.24 | 0.02 | 42.86 |
| 1.029 | 30.39 | 7.03 | 1.37 | 4.54 | 1275.5 | 0.0 | 42.87 |
| 1.032 | 30.38 | 7.03 | 1.49 | 4.54 | 1129.1 | 0.0 | 42.87 |
| 1.038 | 30.38 | 7.03 | 1.3 | 4.54 | 1421.0 | 0.0 | 42.87 |
| 1.043 | 30.38 | 7.03 | 1.45 | 4.53 | 1516.2 | 0.0 | 42.87 |
| 1.047 | 30.37 | 7.03 | 1.37 | 4.5 | 1437.2 | 0.0 | 42.87 |
| 1.06 | 30.37 | 7.03 | 1.45 | 4.47 | 2057.5 | 0.0 | 42.88 |
| 1.075 | 30.34 | 7.03 | 1.26 | 4.5 | 1934.5 | 0.0 | 42.89 |
| 1.077 | 30.33 | 7.03 | 1.3 | 4.52 | 975.24 | 0.0 | 42.9 |
| 1.089 | 30.32 | 7.03 | 1.22 | 4.53 | 1575.0 | 0.0 | 42.92 |
| 1.103 | 30.29 | 7.03 | 1.22 | 4.56 | 1412.4 | 0.0 | 42.98 |
| 1.107 | 30.28 | 7.03 | 1.45 | 4.57 | 1273.7 | 0.04 | 42.99 |
| 1.123 | 30.26 | 7.03 | 1.37 | 4.57 | 1755.0 | 0.0 | 43.01 |
| 1.139 | 30.27 | 7.03 | 1.37 | 4.61 | 1964.3 | 0.02 | 42.97 |
| 1.157 | 30.27 | 7.03 | 1.37 | 4.63 | 980.0 | 0.04 | 42.98 |

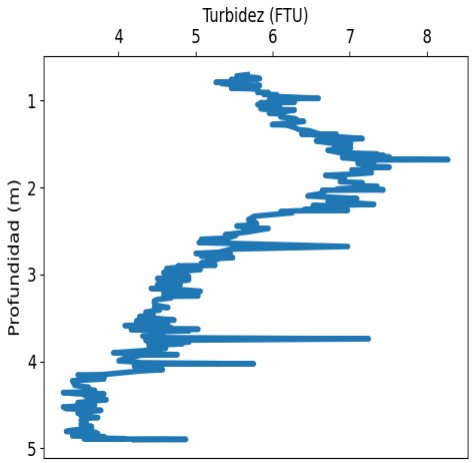
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.17 | 30.27 | 7.03 | 1.22 | 4.64 | 1674.0 | 0.02 | 42.96 |
| 1.173 | 30.28 | 7.03 | 1.26 | 4.61 | 1252.6 | 0.0 | 42.96 |
| 1.184 | 30.28 | 7.03 | 1.37 | 4.46 | 1094.8 | 0.01 | 42.95 |
| 1.195 | 30.27 | 7.03 | 1.34 | 4.57 | 1160.9 | 0.0 | 42.96 |
| 1.199 | 30.27 | 7.03 | 1.26 | 4.6 | 1740.4 | 0.0 | 42.97 |
| 1.201 | 30.26 | 7.03 | 1.03 | 4.59 | 1306.0 | 0.01 | 43.0 |
| 1.209 | 30.26 | 7.03 | 1.18 | 4.56 | 996.26 | 0.02 | 43.01 |
| 1.23 | 30.25 | 7.03 | 1.18 | 4.52 | 1243.4 | 0.0 | 43.01 |
| 1.248 | 30.25 | 7.03 | 1.18 | 4.5 | 1072.0 | 0.0 | 43.02 |
| 1.258 | 30.25 | 7.03 | 1.03 | 4.53 | 1112.7 | 0.0 | 43.02 |
| 1.259 | 30.24 | 7.03 | 0.95 | 4.58 | 1257.6 | 0.0 | 43.04 |
| 1.265 | 30.24 | 7.04 | 0.72 | 4.64 | 1264.3 | 0.0 | 43.06 |
| 1.285 | 30.24 | 7.04 | 0.95 | 4.69 | 1151.6 | 0.0 | 43.06 |
| 1.288 | 30.25 | 7.04 | 0.72 | 4.89 | 1043.8 | 0.0 | 43.05 |
| 1.293 | 30.26 | 7.04 | 0.72 | 4.88 | 1301.5 | 0.0 | 43.05 |
| 1.302 | 30.26 | 7.04 | 0.72 | 4.92 | 674.31 | 0.03 | 43.04 |
| 1.31 | 30.26 | 7.04 | 0.84 | 5.05 | 521.47 | 0.0 | 43.04 |
| 1.313 | 30.26 | 7.04 | 0.84 | 5.04 | 566.72 | 0.0 | 43.04 |
| 1.322 | 30.26 | 7.04 | 0.88 | 4.99 | 699.63 | 0.01 | 43.04 |
| 1.326 | 30.26 | 7.04 | 0.27 | 5.22 | 1051.1 | 0.05 | 43.04 |
| 1.332 | 30.26 | 7.04 | 0.38 | 5.21 | 1085.0 | 0.04 | 43.04 |
| 1.362 | 30.26 | 7.04 | 0.38 | 5.22 | 1252.0 | 0.0 | 43.05 |
| 1.373 | 30.26 | 7.04 | 0.42 | 5.24 | 889.3 | 0.02 | 43.04 |
| 1.377 | 30.26 | 7.04 | 0.99 | 5.25 | 1081.2 | 0.04 | 43.04 |
| 1.389 | 30.26 | 7.04 | 0.88 | 5.25 | 1047.2 | 0.0 | 43.04 |
| 1.398 | 30.26 | 7.04 | 0.8 | 5.27 | 1020.3 | 0.01 | 43.04 |
| 1.399 | 30.26 | 7.04 | 0.95 | 5.27 | 1796.2 | 0.02 | 43.04 |
| 1.401 | 30.26 | 7.04 | 0.92 | 5.27 | 1062.1 | 0.01 | 43.04 |
| 1.404 | 30.26 | 7.04 | 1.37 | 5.29 | 1442.2 | 0.02 | 43.04 |

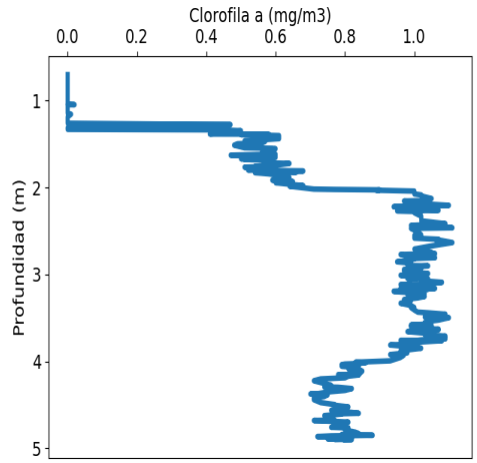
**Nombre: CTD E08 - Punto 020** **Fecha: 08/08/2022** **Hora: 10:08:10**

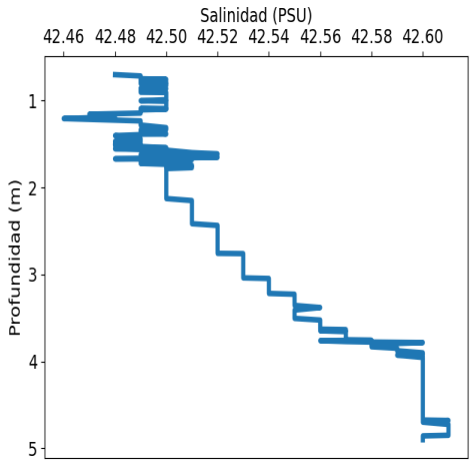


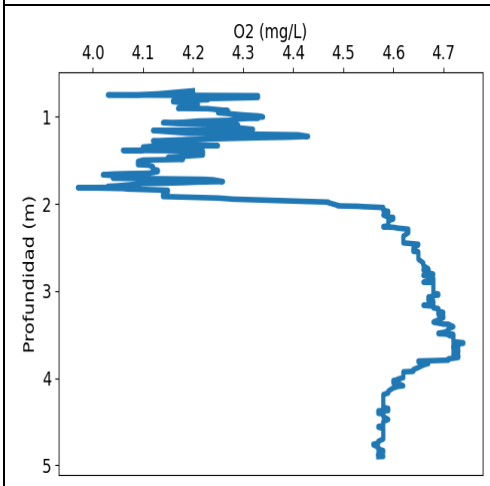



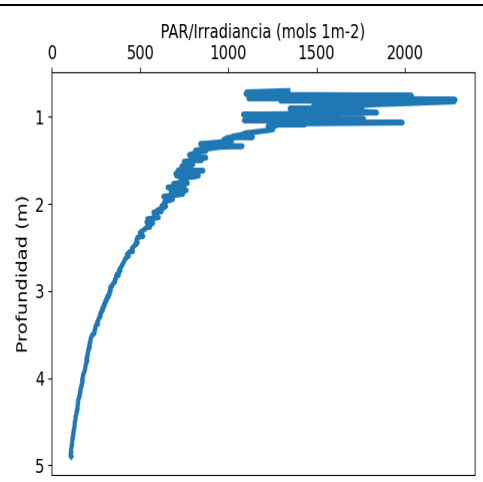




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.3 | 6.97 | 3.28 | 3.97 | 106.34 | 0.0 | 42.46 |
| **PROF (metros)** | 3.379 | 1.985 | 4.358 | 1.813 | 4.893 | 0.702 | 1.207 |
| **MÁXIMO** | 30.71 | 30.71 | 8.28 | 4.74 | 2287.4 | 1.11 | 42.61 |
| **PROF (metros)** | 0.757 | 0.793 | 1.68 | 3.593 | 0.804 | 2.463 | 4.679 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E08 - Punto 020 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.69 | 7.01 | 5.74 | 4.22 | 1577.57 | 0.0 | 42.49 |
| 1 - 2m | 30.49 | 6.99 | 6.72 | 4.17 | 929.59 | 0.38 | 42.5 |
| 2 - 3m | 30.36 | 6.97 | 5.83 | 4.63 | 466.04 | 1.01 | 42.52 |
| 3 - 4m | 30.31 | 6.97 | 4.6 | 4.7 | 245.61 | 1.01 | 42.56 |
| 4 - 5m | 30.32 | 6.98 | 3.8 | 4.58 | 133.94 | 0.78 | 42.6 |

| 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) |
| 0.702 | 30.69 | 7.01 | 5.68 | 4.2 | 1340.0 | 0.0 | 42.48 |
| 0.717 | 30.69 | 7.01 | 5.53 | 4.17 | 1103.5 | 0.0 | 42.49 |
| 0.737 | 30.69 | 7.01 | 5.8 | 4.13 | 1097.9 | 0.0 | 42.49 |
| 0.748 | 30.69 | 7.01 | 5.84 | 4.09 | 1129.9 | 0.0 | 42.49 |
| 0.749 | 30.7 | 7.01 | 5.65 | 4.03 | 1545.7 | 0.0 | 42.49 |
| 0.757 | 30.71 | 7.01 | 5.8 | 4.32 | 2039.4 | 0.0 | 42.5 |
| 0.758 | 30.71 | 7.01 | 5.46 | 4.33 | 1401.0 | 0.0 | 42.49 |
| 0.778 | 30.71 | 7.01 | 5.57 | 4.33 | 1478.4 | 0.0 | 42.49 |
| 0.789 | 30.7 | 7.01 | 5.38 | 4.25 | 1113.8 | 0.0 | 42.5 |
| 0.791 | 30.71 | 7.01 | 5.26 | 4.22 | 1983.9 | 0.0 | 42.5 |
| 0.793 | 30.71 | 7.02 | 5.42 | 4.22 | 2000.6 | 0.0 | 42.5 |
| 0.804 | 30.71 | 7.01 | 5.34 | 4.23 | 2287.4 | 0.0 | 42.49 |
| 0.816 | 30.71 | 7.02 | 5.46 | 4.16 | 1295.1 | 0.0 | 42.5 |
| 0.826 | 30.71 | 7.02 | 5.84 | 4.16 | 2281.0 | 0.0 | 42.5 |
| 0.858 | 30.71 | 7.01 | 5.46 | 4.21 | 1836.6 | 0.0 | 42.49 |
| 0.863 | 30.71 | 7.02 | 5.68 | 4.2 | 1800.3 | 0.0 | 42.5 |
| 0.869 | 30.71 | 7.01 | 5.8 | 4.18 | 1481.8 | 0.0 | 42.49 |
| 0.904 | 30.7 | 7.01 | 5.84 | 4.17 | 1757.9 | 0.0 | 42.49 |
| 0.906 | 30.68 | 7.01 | 5.8 | 4.21 | 1347.5 | 0.0 | 42.5 |
| 0.907 | 30.68 | 7.01 | 5.95 | 4.23 | 1700.2 | 0.0 | 42.5 |
| 0.93 | 30.68 | 7.01 | 5.88 | 4.27 | 1528.9 | 0.0 | 42.5 |
| 0.933 | 30.67 | 7.01 | 6.06 | 4.25 | 1728.0 | 0.0 | 42.5 |
| 0.953 | 30.67 | 7.01 | 6.03 | 4.25 | 1842.1 | 0.0 | 42.5 |
| 0.974 | 30.67 | 7.01 | 6.6 | 4.29 | 1083.5 | 0.0 | 42.5 |
| 0.979 | 30.67 | 7.01 | 6.06 | 4.3 | 1616.8 | 0.0 | 42.5 |
| 0.99 | 30.67 | 7.01 | 5.95 | 4.33 | 1195.6 | 0.0 | 42.5 |
| 1.002 | 30.67 | 7.01 | 6.29 | 4.34 | 1410.1 | 0.0 | 42.49 |
| 1.008 | 30.67 | 7.01 | 6.06 | 4.31 | 1395.5 | 0.0 | 42.5 |
| 1.012 | 30.66 | 7.01 | 6.1 | 4.33 | 1306.9 | 0.0 | 42.5 |
| 1.017 | 30.66 | 7.01 | 6.18 | 4.33 | 1396.5 | 0.0 | 42.5 |
| 1.019 | 30.66 | 7.01 | 6.29 | 4.31 | 1165.2 | 0.0 | 42.5 |
| 1.025 | 30.66 | 7.01 | 5.84 | 4.29 | 1768.9 | 0.0 | 42.5 |
| 1.041 | 30.66 | 7.01 | 6.06 | 4.27 | 1088.2 | 0.0 | 42.5 |
| 1.047 | 30.66 | 7.01 | 5.8 | 4.23 | 1501.2 | 0.02 | 42.5 |
| 1.049 | 30.66 | 7.01 | 6.03 | 4.21 | 1356.6 | 0.0 | 42.5 |
| 1.063 | 30.66 | 7.01 | 5.91 | 4.18 | 1549.6 | 0.0 | 42.5 |
| 1.068 | 30.67 | 7.01 | 6.1 | 4.14 | 1987.6 | 0.0 | 42.5 |

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|---|---|---|---|---|---|---|---|
| 1.078 | 30.67 | 7.01 | 5.91 | 4.17 | 1388.1 | 0.0 | 42.5 |
| 1.091 | 30.67 | 7.01 | 6.03 | 4.27 | 1433.2 | 0.0 | 42.5 |
| 1.092 | 30.66 | 7.01 | 5.84 | 4.29 | 1241.4 | 0.0 | 42.49 |
| 1.099 | 30.66 | 7.01 | 5.88 | 4.28 | 1273.7 | 0.0 | 42.5 |
| 1.107 | 30.65 | 7.01 | 6.29 | 4.25 | 1223.4 | 0.0 | 42.49 |
| 1.132 | 30.64 | 7.0 | 6.14 | 4.3 | 1238.8 | 0.0 | 42.49 |
| 1.144 | 30.63 | 7.0 | 5.95 | 4.32 | 1254.4 | 0.0 | 42.49 |
| 1.157 | 30.6 | 7.0 | 6.14 | 4.12 | 1220.2 | 0.01 | 42.47 |
| 1.188 | 30.58 | 7.0 | 6.1 | 4.19 | 1095.8 | 0.0 | 42.48 |
| 1.207 | 30.56 | 6.99 | 6.29 | 4.41 | 1074.2 | 0.0 | 42.46 |
| 1.225 | 30.54 | 6.99 | 6.33 | 4.43 | 1022.5 | 0.0 | 42.48 |
| 1.234 | 30.52 | 6.99 | 6.22 | 4.39 | 1138.8 | 0.0 | 42.49 |
| 1.24 | 30.52 | 6.99 | 6.41 | 4.33 | 995.1 | 0.0 | 42.49 |
| 1.261 | 30.5 | 6.99 | 6.18 | 4.19 | 973.88 | 0.0 | 42.49 |
| 1.277 | 30.52 | 6.99 | 5.99 | 4.12 | 1020.3 | 0.47 | 42.49 |
| 1.282 | 30.51 | 6.99 | 6.18 | 4.13 | 1000.2 | 0.12 | 42.49 |
| 1.312 | 30.51 | 6.99 | 6.29 | 4.16 | 840.99 | 0.0 | 42.5 |
| 1.331 | 30.51 | 6.99 | 6.33 | 4.25 | 981.59 | 0.0 | 42.5 |
| 1.337 | 30.51 | 6.99 | 6.37 | 4.12 | 1079.9 | 0.44 | 42.49 |
| 1.347 | 30.5 | 6.99 | 6.48 | 4.1 | 950.47 | 0.5 | 42.49 |
| 1.383 | 30.5 | 6.99 | 6.6 | 4.1 | 816.78 | 0.41 | 42.5 |
| 1.385 | 30.49 | 6.99 | 6.37 | 4.06 | 812.44 | 0.41 | 42.5 |
| 1.386 | 30.49 | 6.99 | 6.83 | 4.08 | 853.16 | 0.58 | 42.49 |
| 1.392 | 30.48 | 6.99 | 6.52 | 4.22 | 873.57 | 0.5 | 42.49 |
| 1.403 | 30.48 | 6.98 | 6.64 | 4.22 | 833.23 | 0.61 | 42.48 |
| 1.438 | 30.48 | 6.99 | 7.17 | 4.22 | 777.44 | 0.61 | 42.49 |
| 1.464 | 30.48 | 6.98 | 6.56 | 4.15 | 804.38 | 0.51 | 42.49 |
| 1.469 | 30.48 | 6.98 | 6.6 | 4.17 | 874.58 | 0.57 | 42.48 |
| 1.489 | 30.47 | 6.98 | 6.75 | 4.18 | 782.32 | 0.56 | 42.49 |
| 1.497 | 30.46 | 6.98 | 7.02 | 4.1 | 850.0 | 0.49 | 42.48 |
| 1.513 | 30.46 | 6.98 | 6.94 | 4.09 | 748.62 | 0.48 | 42.48 |
| 1.543 | 30.45 | 6.98 | 7.02 | 4.09 | 781.96 | 0.51 | 42.5 |
| 1.549 | 30.45 | 6.98 | 6.79 | 4.09 | 799.92 | 0.59 | 42.49 |
| 1.554 | 30.44 | 6.98 | 6.9 | 4.11 | 744.46 | 0.6 | 42.48 |
| 1.571 | 30.44 | 6.98 | 6.71 | 4.12 | 734.01 | 0.58 | 42.5 |
| 1.599 | 30.44 | 6.98 | 6.87 | 4.12 | 758.57 | 0.56 | 42.51 |
| 1.614 | 30.44 | 6.98 | 7.36 | 4.13 | 713.71 | 0.57 | 42.52 |
| 1.618 | 30.44 | 6.98 | 7.02 | 4.13 | 858.12 | 0.6 | 42.5 |
| 1.62 | 30.44 | 6.98 | 6.9 | 4.13 | 755.06 | 0.55 | 42.49 |
| 1.628 | 30.44 | 6.98 | 7.44 | 4.13 | 760.68 | 0.47 | 42.49 |
| 1.64 | 30.43 | 6.98 | 7.1 | 4.12 | 722.37 | 0.53 | 42.5 |
| 1.648 | 30.43 | 6.98 | 7.52 | 4.11 | 820.2 | 0.59 | 42.51 |
| 1.652 | 30.43 | 6.98 | 7.02 | 4.07 | 700.28 | 0.6 | 42.52 |
| 1.657 | 30.43 | 6.98 | 6.9 | 4.04 | 719.36 | 0.54 | 42.51 |
| 1.665 | 30.44 | 6.98 | 7.02 | 4.02 | 784.68 | 0.54 | 42.49 |
| 1.67 | 30.43 | 6.98 | 7.06 | 4.03 | 724.88 | 0.5 | 42.48 |
| 1.674 | 30.42 | 6.98 | 7.1 | 4.05 | 832.46 | 0.53 | 42.5 |
| 1.675 | 30.42 | 6.98 | 7.67 | 4.06 | 704.84 | 0.51 | 42.51 |
| 1.68 | 30.42 | 6.98 | 8.28 | 4.05 | 806.81 | 0.53 | 42.51 |
| 1.683 | 30.41 | 6.98 | 7.25 | 4.04 | 816.78 | 0.56 | 42.49 |
| 1.705 | 30.41 | 6.98 | 7.32 | 4.04 | 732.31 | 0.57 | 42.5 |
| 1.717 | 30.42 | 6.98 | 7.17 | 4.22 | 734.69 | 0.59 | 42.5 |
| 1.723 | 30.42 | 6.98 | 7.1 | 4.24 | 748.44 | 0.64 | 42.49 |
| 1.743 | 30.41 | 6.98 | 7.29 | 4.26 | 726.4 | 0.6 | 42.51 |
| 1.749 | 30.41 | 6.98 | 7.17 | 4.21 | 765.46 | 0.56 | 42.5 |
| 1.756 | 30.41 | 6.98 | 7.21 | 4.18 | 719.36 | 0.54 | 42.5 |
| 1.762 | 30.41 | 6.98 | 7.48 | 4.14 | 769.37 | 0.55 | 42.5 |
| 1.766 | 30.41 | 6.98 | 7.52 | 4.1 | 689.01 | 0.51 | 42.51 |

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|---|---|---|---|---|---|---|---|
| 1.771 | 30.41 | 6.98 | 7.32 | 4.09 | 752.62 | 0.55 | 42.51 |
| 1.782 | 30.41 | 6.98 | 7.25 | 4.07 | 696.71 | 0.55 | 42.5 |
| 1.792 | 30.41 | 6.98 | 7.25 | 4.05 | 748.62 | 0.54 | 42.5 |
| 1.798 | 30.4 | 6.98 | 7.02 | 4.03 | 731.97 | 0.52 | 42.5 |
| 1.81 | 30.4 | 6.98 | 7.06 | 4.03 | 656.12 | 0.68 | 42.5 |
| 1.813 | 30.4 | 6.98 | 7.1 | 3.97 | 728.08 | 0.61 | 42.5 |
| 1.823 | 30.4 | 6.98 | 7.02 | 4.06 | 720.53 | 0.66 | 42.5 |
| 1.829 | 30.4 | 6.98 | 7.29 | 4.07 | 707.78 | 0.54 | 42.5 |
| 1.843 | 30.4 | 6.98 | 7.1 | 4.15 | 763.33 | 0.58 | 42.5 |
| 1.86 | 30.4 | 6.98 | 6.68 | 4.15 | 674.0 | 0.61 | 42.5 |
| 1.886 | 30.39 | 6.98 | 6.94 | 4.14 | 743.43 | 0.64 | 42.5 |
| 1.915 | 30.39 | 6.98 | 6.9 | 4.14 | 631.8 | 0.59 | 42.5 |
| 1.932 | 30.39 | 6.98 | 6.87 | 4.25 | 679.02 | 0.65 | 42.5 |
| 1.945 | 30.39 | 6.98 | 7.17 | 4.28 | 685.82 | 0.6 | 42.5 |
| 1.979 | 30.39 | 6.98 | 7.06 | 4.47 | 636.79 | 0.68 | 42.5 |
| 1.985 | 30.39 | 6.97 | 7.36 | 4.47 | 634.88 | 0.64 | 42.5 |
| 2.018 | 30.39 | 6.98 | 6.83 | 4.49 | 630.92 | 0.71 | 42.5 |
| 2.022 | 30.39 | 6.97 | 7.32 | 4.49 | 622.93 | 0.77 | 42.5 |
| 2.027 | 30.38 | 6.97 | 7.44 | 4.53 | 647.06 | 0.9 | 42.5 |
| 2.031 | 30.38 | 6.97 | 6.64 | 4.54 | 620.62 | 0.89 | 42.5 |
| 2.041 | 30.38 | 6.97 | 6.68 | 4.58 | 636.35 | 1.0 | 42.5 |
| 2.074 | 30.38 | 6.97 | 6.6 | 4.58 | 596.37 | 1.0 | 42.5 |
| 2.085 | 30.38 | 6.97 | 6.52 | 4.59 | 622.06 | 1.02 | 42.5 |
| 2.097 | 30.38 | 6.97 | 6.45 | 4.59 | 575.45 | 1.02 | 42.5 |
| 2.127 | 30.38 | 6.97 | 7.1 | 4.58 | 580.81 | 1.05 | 42.5 |
| 2.15 | 30.38 | 6.97 | 6.71 | 4.59 | 595.26 | 1.03 | 42.51 |
| 2.155 | 30.38 | 6.97 | 7.02 | 4.6 | 605.0 | 0.97 | 42.51 |
| 2.173 | 30.38 | 6.97 | 6.98 | 4.6 | 540.55 | 1.04 | 42.51 |
| 2.193 | 30.38 | 6.97 | 7.32 | 4.59 | 545.83 | 1.05 | 42.51 |
| 2.205 | 30.38 | 6.97 | 6.83 | 4.59 | 571.86 | 1.1 | 42.51 |
| 2.208 | 30.38 | 6.97 | 6.52 | 4.59 | 536.3 | 1.0 | 42.51 |
| 2.221 | 30.38 | 6.97 | 6.75 | 4.59 | 572.93 | 0.94 | 42.51 |
| 2.236 | 30.38 | 6.97 | 6.79 | 4.59 | 551.56 | 1.01 | 42.51 |
| 2.251 | 30.38 | 6.97 | 6.41 | 4.59 | 542.05 | 1.01 | 42.51 |
| 2.259 | 30.38 | 6.97 | 6.64 | 4.58 | 542.93 | 1.07 | 42.51 |
| 2.262 | 30.38 | 6.97 | 6.98 | 4.58 | 554.12 | 1.07 | 42.51 |
| 2.264 | 30.38 | 6.97 | 6.83 | 4.58 | 556.82 | 1.05 | 42.51 |
| 2.268 | 30.37 | 6.97 | 6.29 | 4.6 | 536.3 | 0.95 | 42.51 |
| 2.278 | 30.37 | 6.97 | 6.1 | 4.61 | 533.21 | 1.02 | 42.51 |
| 2.29 | 30.37 | 6.97 | 6.26 | 4.63 | 525.96 | 1.0 | 42.51 |
| 2.33 | 30.37 | 6.97 | 5.76 | 4.63 | 499.24 | 1.02 | 42.51 |
| 2.37 | 30.37 | 6.97 | 5.68 | 4.62 | 517.5 | 1.02 | 42.51 |
| 2.383 | 30.37 | 6.97 | 5.76 | 4.62 | 485.88 | 1.02 | 42.51 |
| 2.416 | 30.37 | 6.97 | 5.8 | 4.62 | 479.06 | 1.09 | 42.51 |
| 2.436 | 30.37 | 6.97 | 5.65 | 4.62 | 484.53 | 0.99 | 42.52 |
| 2.443 | 30.37 | 6.97 | 5.53 | 4.62 | 485.88 | 1.07 | 42.52 |
| 2.446 | 30.37 | 6.97 | 5.68 | 4.62 | 476.4 | 1.02 | 42.52 |
| 2.463 | 30.36 | 6.97 | 5.61 | 4.65 | 479.28 | 1.11 | 42.52 |
| 2.47 | 30.37 | 6.97 | 5.95 | 4.65 | 472.01 | 0.99 | 42.52 |
| 2.51 | 30.36 | 6.97 | 5.68 | 4.64 | 453.77 | 1.01 | 42.52 |
| 2.544 | 30.36 | 6.97 | 5.38 | 4.64 | 458.95 | 1.02 | 42.52 |
| 2.549 | 30.36 | 6.97 | 5.53 | 4.65 | 440.91 | 1.0 | 42.52 |
| 2.582 | 30.36 | 6.97 | 5.42 | 4.65 | 425.06 | 1.0 | 42.52 |
| 2.595 | 30.36 | 6.97 | 5.07 | 4.65 | 435.73 | 1.07 | 42.52 |
| 2.596 | 30.36 | 6.97 | 5.19 | 4.65 | 433.32 | 1.06 | 42.52 |
| 2.633 | 30.36 | 6.97 | 5.04 | 4.65 | 414.94 | 1.11 | 42.52 |
| 2.678 | 30.35 | 6.97 | 6.98 | 4.66 | 405.05 | 1.04 | 42.52 |
| 2.708 | 30.35 | 6.97 | 5.46 | 4.66 | 396.23 | 1.0 | 42.52 |

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|---|---|---|---|---|---|---|---|
| 2.745 | 30.35 | 6.97 | 5.3 | 4.67 | 385.28 | 1.05 | 42.52 |
| 2.757 | 30.35 | 6.97 | 5.0 | 4.66 | 388.14 | 1.04 | 42.52 |
| 2.76 | 30.35 | 6.97 | 5.46 | 4.67 | 381.1 | 1.06 | 42.53 |
| 2.77 | 30.35 | 6.97 | 5.15 | 4.67 | 386.35 | 0.96 | 42.53 |
| 2.789 | 30.35 | 6.97 | 5.07 | 4.67 | 378.99 | 0.98 | 42.53 |
| 2.807 | 30.35 | 6.97 | 5.49 | 4.68 | 368.93 | 1.06 | 42.53 |
| 2.816 | 30.34 | 6.97 | 5.26 | 4.66 | 378.9 | 1.0 | 42.53 |
| 2.82 | 30.34 | 6.97 | 5.3 | 4.66 | 365.61 | 1.0 | 42.53 |
| 2.836 | 30.34 | 6.97 | 5.26 | 4.67 | 363.16 | 0.99 | 42.53 |
| 2.854 | 30.34 | 6.97 | 5.15 | 4.68 | 364.26 | 0.95 | 42.53 |
| 2.868 | 30.34 | 6.97 | 5.07 | 4.68 | 356.74 | 0.99 | 42.53 |
| 2.894 | 30.34 | 6.97 | 5.26 | 4.68 | 357.65 | 0.98 | 42.53 |
| 2.898 | 30.34 | 6.97 | 5.07 | 4.66 | 355.17 | 1.0 | 42.53 |
| 2.901 | 30.34 | 6.97 | 4.77 | 4.68 | 353.53 | 1.04 | 42.53 |
| 2.912 | 30.34 | 6.97 | 4.84 | 4.68 | 348.16 | 1.0 | 42.53 |
| 2.932 | 30.34 | 6.97 | 4.62 | 4.68 | 342.0 | 1.02 | 42.53 |
| 2.942 | 30.34 | 6.97 | 5.07 | 4.68 | 341.29 | 0.97 | 42.53 |
| 2.958 | 30.34 | 6.97 | 4.88 | 4.68 | 331.09 | 0.97 | 42.53 |
| 2.979 | 30.34 | 6.97 | 4.58 | 4.68 | 330.01 | 1.01 | 42.53 |
| 2.989 | 30.34 | 6.97 | 4.65 | 4.68 | 333.7 | 1.04 | 42.53 |
| 2.992 | 30.34 | 6.97 | 4.88 | 4.68 | 332.93 | 0.98 | 42.53 |
| 2.995 | 30.34 | 6.97 | 4.73 | 4.68 | 332.93 | 0.98 | 42.53 |
| 2.999 | 30.34 | 6.97 | 4.84 | 4.68 | 329.94 | 1.01 | 42.53 |
| 3.009 | 30.34 | 6.97 | 4.81 | 4.68 | 326.06 | 0.96 | 42.53 |
| 3.025 | 30.34 | 6.97 | 4.92 | 4.68 | 327.73 | 0.99 | 42.53 |
| 3.034 | 30.34 | 6.97 | 4.62 | 4.69 | 324.85 | 1.01 | 42.53 |
| 3.039 | 30.34 | 6.97 | 4.65 | 4.69 | 325.76 | 1.01 | 42.53 |
| 3.046 | 30.34 | 6.97 | 4.5 | 4.69 | 322.98 | 0.98 | 42.54 |
| 3.051 | 30.34 | 6.97 | 4.77 | 4.68 | 318.29 | 1.04 | 42.54 |
| 3.06 | 30.34 | 6.97 | 4.92 | 4.68 | 314.7 | 1.04 | 42.54 |
| 3.068 | 30.34 | 6.97 | 4.88 | 4.67 | 319.55 | 1.02 | 42.54 |
| 3.07 | 30.34 | 6.97 | 4.73 | 4.67 | 320.51 | 1.02 | 42.54 |
| 3.075 | 30.34 | 6.97 | 4.58 | 4.67 | 312.59 | 1.03 | 42.54 |
| 3.09 | 30.34 | 6.97 | 4.54 | 4.67 | 308.92 | 1.08 | 42.54 |
| 3.108 | 30.34 | 6.97 | 4.65 | 4.67 | 306.99 | 1.03 | 42.54 |
| 3.114 | 30.34 | 6.97 | 4.81 | 4.68 | 309.28 | 1.03 | 42.54 |
| 3.116 | 30.33 | 6.97 | 4.5 | 4.68 | 304.51 | 0.96 | 42.54 |
| 3.12 | 30.33 | 6.97 | 4.65 | 4.68 | 302.05 | 0.99 | 42.54 |
| 3.123 | 30.33 | 6.97 | 4.77 | 4.68 | 302.68 | 0.99 | 42.54 |
| 3.133 | 30.33 | 6.97 | 4.77 | 4.68 | 302.19 | 1.0 | 42.54 |
| 3.148 | 30.33 | 6.97 | 4.73 | 4.68 | 298.29 | 0.97 | 42.54 |
| 3.159 | 30.33 | 6.97 | 4.62 | 4.68 | 298.64 | 1.01 | 42.54 |
| 3.16 | 30.33 | 6.97 | 4.42 | 4.67 | 299.4 | 1.06 | 42.54 |
| 3.163 | 30.33 | 6.97 | 4.77 | 4.66 | 294.45 | 0.96 | 42.54 |
| 3.169 | 30.33 | 6.97 | 4.58 | 4.67 | 297.95 | 1.04 | 42.54 |
| 3.171 | 30.33 | 6.97 | 4.77 | 4.68 | 295.68 | 1.01 | 42.54 |
| 3.193 | 30.33 | 6.97 | 5.07 | 4.68 | 286.84 | 0.94 | 42.54 |
| 3.201 | 30.33 | 6.97 | 4.58 | 4.69 | 290.65 | 0.96 | 42.54 |
| 3.218 | 30.33 | 6.97 | 4.62 | 4.69 | 282.81 | 1.03 | 42.54 |
| 3.227 | 30.32 | 6.97 | 4.96 | 4.69 | 286.77 | 0.98 | 42.55 |
| 3.23 | 30.32 | 6.97 | 4.69 | 4.69 | 281.89 | 0.98 | 42.55 |
| 3.247 | 30.32 | 6.97 | 5.04 | 4.7 | 277.1 | 1.0 | 42.55 |
| 3.252 | 30.32 | 6.97 | 4.58 | 4.69 | 278.26 | 1.03 | 42.55 |
| 3.269 | 30.32 | 6.97 | 4.69 | 4.69 | 272.96 | 1.01 | 42.55 |
| 3.288 | 30.32 | 6.97 | 4.5 | 4.7 | 275.56 | 0.97 | 42.55 |
| 3.304 | 30.32 | 6.97 | 4.46 | 4.7 | 268.25 | 0.99 | 42.55 |
| 3.331 | 30.31 | 6.97 | 4.46 | 4.69 | 263.2 | 0.96 | 42.55 |
| 3.356 | 30.31 | 6.97 | 4.5 | 4.68 | 256.22 | 0.99 | 42.55 |

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|---|---|---|---|---|---|---|---|
| 3.379 | 30.3 | 6.97 | 4.65 | 4.7 | 261.56 | 1.0 | 42.56 |
| 3.38 | 30.31 | 6.97 | 4.46 | 4.71 | 254.33 | 0.99 | 42.56 |
| 3.409 | 30.31 | 6.97 | 4.54 | 4.72 | 246.38 | 1.0 | 42.55 |
| 3.433 | 30.31 | 6.97 | 4.35 | 4.71 | 246.66 | 1.01 | 42.55 |
| 3.441 | 30.31 | 6.97 | 4.39 | 4.71 | 244.44 | 1.04 | 42.55 |
| 3.457 | 30.31 | 6.97 | 4.35 | 4.71 | 241.12 | 1.09 | 42.55 |
| 3.475 | 30.31 | 6.97 | 4.46 | 4.7 | 240.96 | 1.05 | 42.55 |
| 3.483 | 30.31 | 6.97 | 4.27 | 4.69 | 241.23 | 1.08 | 42.55 |
| 3.489 | 30.31 | 6.97 | 4.42 | 4.69 | 236.97 | 1.03 | 42.55 |
| 3.497 | 30.31 | 6.97 | 4.42 | 4.72 | 234.78 | 1.1 | 42.55 |
| 3.505 | 30.31 | 6.97 | 4.5 | 4.71 | 228.02 | 1.09 | 42.55 |
| 3.524 | 30.3 | 6.97 | 4.73 | 4.72 | 224.04 | 1.07 | 42.56 |
| 3.534 | 30.3 | 6.97 | 4.23 | 4.72 | 221.31 | 1.05 | 42.56 |
| 3.552 | 30.3 | 6.97 | 4.65 | 4.72 | 219.32 | 1.03 | 42.56 |
| 3.569 | 30.3 | 6.97 | 4.62 | 4.72 | 218.76 | 1.04 | 42.56 |
| 3.581 | 30.3 | 6.97 | 4.31 | 4.72 | 218.55 | 0.99 | 42.56 |
| 3.587 | 30.3 | 6.97 | 4.08 | 4.73 | 217.14 | 1.05 | 42.56 |
| 3.589 | 30.3 | 6.97 | 4.5 | 4.73 | 214.99 | 1.05 | 42.56 |
| 3.593 | 30.3 | 6.97 | 4.35 | 4.74 | 214.69 | 1.02 | 42.56 |
| 3.598 | 30.3 | 6.97 | 4.54 | 4.74 | 214.79 | 0.99 | 42.56 |
| 3.599 | 30.3 | 6.97 | 4.62 | 4.74 | 216.44 | 1.01 | 42.56 |
| 3.603 | 30.3 | 6.97 | 4.2 | 4.73 | 214.94 | 1.02 | 42.56 |
| 3.612 | 30.3 | 6.97 | 4.69 | 4.72 | 213.55 | 1.04 | 42.56 |
| 3.622 | 30.3 | 6.97 | 4.42 | 4.72 | 213.5 | 1.03 | 42.56 |
| 3.629 | 30.3 | 6.97 | 5.04 | 4.72 | 212.21 | 1.07 | 42.56 |
| 3.634 | 30.3 | 6.97 | 4.16 | 4.72 | 213.15 | 1.06 | 42.57 |
| 3.636 | 30.3 | 6.97 | 4.35 | 4.72 | 210.84 | 1.07 | 42.57 |
| 3.645 | 30.3 | 6.97 | 4.65 | 4.73 | 209.72 | 0.99 | 42.57 |
| 3.647 | 30.3 | 6.97 | 4.92 | 4.72 | 214.99 | 0.99 | 42.56 |
| 3.657 | 30.3 | 6.97 | 4.58 | 4.72 | 210.55 | 0.98 | 42.57 |
| 3.678 | 30.3 | 6.97 | 4.58 | 4.72 | 205.3 | 1.04 | 42.57 |
| 3.685 | 30.3 | 6.97 | 4.5 | 4.73 | 208.22 | 1.05 | 42.57 |
| 3.693 | 30.3 | 6.97 | 4.54 | 4.73 | 205.63 | 1.03 | 42.57 |
| 3.709 | 30.3 | 6.97 | 4.31 | 4.72 | 202.93 | 1.09 | 42.57 |
| 3.727 | 30.3 | 6.97 | 4.65 | 4.72 | 202.88 | 1.06 | 42.57 |
| 3.74 | 30.3 | 6.97 | 7.25 | 4.73 | 201.24 | 1.09 | 42.57 |
| 3.752 | 30.3 | 6.97 | 5.3 | 4.73 | 200.73 | 1.02 | 42.57 |
| 3.757 | 30.3 | 6.97 | 4.54 | 4.73 | 199.99 | 1.01 | 42.58 |
| 3.758 | 30.3 | 6.97 | 4.35 | 4.73 | 200.97 | 0.96 | 42.57 |
| 3.761 | 30.3 | 6.97 | 4.58 | 4.73 | 197.59 | 1.08 | 42.56 |
| 3.771 | 30.3 | 6.97 | 4.73 | 4.72 | 196.54 | 1.04 | 42.57 |
| 3.777 | 30.3 | 6.97 | 4.92 | 4.71 | 198.14 | 1.02 | 42.58 |
| 3.783 | 30.3 | 6.98 | 4.54 | 4.71 | 199.06 | 0.99 | 42.6 |
| 3.793 | 30.3 | 6.98 | 4.84 | 4.71 | 195.32 | 1.01 | 42.59 |
| 3.803 | 30.31 | 6.98 | 4.73 | 4.65 | 200.22 | 0.97 | 42.58 |
| 3.811 | 30.3 | 6.98 | 4.39 | 4.65 | 196.04 | 0.93 | 42.58 |
| 3.831 | 30.32 | 6.98 | 4.54 | 4.67 | 194.19 | 0.99 | 42.58 |
| 3.848 | 30.31 | 6.98 | 4.62 | 4.66 | 191.06 | 1.02 | 42.59 |
| 3.877 | 30.31 | 6.98 | 4.31 | 4.65 | 189.52 | 0.96 | 42.59 |
| 3.901 | 30.31 | 6.98 | 3.93 | 4.64 | 186.86 | 0.98 | 42.6 |
| 3.913 | 30.31 | 6.98 | 4.27 | 4.64 | 186.38 | 0.95 | 42.6 |
| 3.921 | 30.31 | 6.98 | 4.77 | 4.64 | 184.96 | 0.93 | 42.6 |
| 3.927 | 30.32 | 6.98 | 4.31 | 4.62 | 183.85 | 0.97 | 42.59 |
| 3.954 | 30.32 | 6.98 | 4.12 | 4.62 | 178.15 | 0.96 | 42.6 |
| 3.993 | 30.32 | 6.98 | 4.0 | 4.62 | 174.51 | 0.93 | 42.6 |
| 4.009 | 30.32 | 6.98 | 4.27 | 4.61 | 173.7 | 0.83 | 42.6 |
| 4.015 | 30.32 | 6.98 | 4.27 | 4.61 | 171.7 | 0.86 | 42.6 |
| 4.027 | 30.32 | 6.98 | 5.76 | 4.6 | 173.42 | 0.82 | 42.6 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4.03 | 30.32 | 6.98 | 4.35 | 4.6 | 174.59 | 0.8 | 42.6 |
| 4.037 | 30.32 | 6.98 | 4.31 | 4.6 | 171.66 | 0.79 | 42.6 |
| 4.053 | 30.32 | 6.98 | 4.42 | 4.6 | 171.03 | 0.84 | 42.6 |
| 4.054 | 30.32 | 6.98 | 4.2 | 4.61 | 171.7 | 0.79 | 42.6 |
| 4.063 | 30.32 | 6.98 | 4.39 | 4.61 | 170.75 | 0.82 | 42.6 |
| 4.087 | 30.32 | 6.98 | 4.27 | 4.62 | 167.5 | 0.81 | 42.6 |
| 4.093 | 30.32 | 6.98 | 4.58 | 4.61 | 168.31 | 0.84 | 42.6 |
| 4.111 | 30.32 | 6.98 | 4.27 | 4.6 | 163.58 | 0.85 | 42.6 |
| 4.149 | 30.32 | 6.98 | 3.82 | 4.59 | 160.47 | 0.84 | 42.6 |
| 4.151 | 30.32 | 6.98 | 3.85 | 4.59 | 162.0 | 0.78 | 42.6 |
| 4.155 | 30.32 | 6.98 | 3.47 | 4.59 | 161.66 | 0.84 | 42.6 |
| 4.169 | 30.32 | 6.98 | 3.51 | 4.59 | 159.87 | 0.81 | 42.6 |
| 4.188 | 30.32 | 6.98 | 3.62 | 4.58 | 157.33 | 0.8 | 42.6 |
| 4.201 | 30.32 | 6.98 | 3.82 | 4.58 | 158.32 | 0.73 | 42.6 |
| 4.222 | 30.32 | 6.98 | 3.4 | 4.58 | 153.13 | 0.71 | 42.6 |
| 4.274 | 30.32 | 6.98 | 3.43 | 4.58 | 147.41 | 0.76 | 42.6 |
| 4.293 | 30.33 | 6.98 | 3.59 | 4.58 | 147.86 | 0.74 | 42.6 |
| 4.297 | 30.33 | 6.98 | 3.62 | 4.58 | 147.45 | 0.78 | 42.6 |
| 4.312 | 30.33 | 6.98 | 3.55 | 4.58 | 146.29 | 0.82 | 42.6 |
| 4.333 | 30.32 | 6.98 | 3.7 | 4.58 | 145.34 | 0.8 | 42.6 |
| 4.347 | 30.32 | 6.98 | 3.7 | 4.59 | 145.99 | 0.76 | 42.6 |
| 4.358 | 30.32 | 6.98 | 3.28 | 4.59 | 142.91 | 0.74 | 42.6 |
| 4.372 | 30.32 | 6.98 | 3.47 | 4.59 | 140.61 | 0.72 | 42.6 |
| 4.373 | 30.32 | 6.98 | 3.59 | 4.58 | 142.41 | 0.74 | 42.6 |
| 4.374 | 30.32 | 6.98 | 3.82 | 4.57 | 142.51 | 0.7 | 42.6 |
| 4.384 | 30.33 | 6.98 | 3.55 | 4.57 | 141.52 | 0.75 | 42.6 |
| 4.403 | 30.32 | 6.98 | 3.59 | 4.57 | 138.73 | 0.74 | 42.6 |
| 4.409 | 30.33 | 6.98 | 3.78 | 4.58 | 138.95 | 0.73 | 42.6 |
| 4.414 | 30.33 | 6.98 | 3.66 | 4.58 | 138.18 | 0.71 | 42.6 |
| 4.44 | 30.33 | 6.98 | 3.85 | 4.58 | 134.27 | 0.71 | 42.6 |
| 4.473 | 30.33 | 6.98 | 3.47 | 4.59 | 133.37 | 0.73 | 42.6 |
| 4.496 | 30.33 | 6.98 | 3.66 | 4.58 | 131.41 | 0.77 | 42.6 |
| 4.504 | 30.33 | 6.98 | 3.7 | 4.58 | 129.56 | 0.77 | 42.6 |
| 4.523 | 30.33 | 6.98 | 3.28 | 4.58 | 128.81 | 0.81 | 42.6 |
| 4.543 | 30.33 | 6.98 | 3.32 | 4.58 | 129.17 | 0.79 | 42.6 |
| 4.554 | 30.33 | 6.98 | 3.66 | 4.57 | 129.02 | 0.78 | 42.6 |
| 4.562 | 30.33 | 6.98 | 3.78 | 4.57 | 127.3 | 0.76 | 42.6 |
| 4.577 | 30.33 | 6.98 | 3.59 | 4.58 | 125.74 | 0.8 | 42.6 |
| 4.596 | 30.33 | 6.98 | 3.47 | 4.58 | 124.04 | 0.84 | 42.6 |
| 4.602 | 30.33 | 6.98 | 3.55 | 4.58 | 124.79 | 0.78 | 42.6 |
| 4.605 | 30.33 | 6.98 | 3.51 | 4.58 | 123.43 | 0.79 | 42.6 |
| 4.623 | 30.33 | 6.98 | 3.51 | 4.58 | 121.7 | 0.74 | 42.6 |
| 4.645 | 30.33 | 6.98 | 3.74 | 4.58 | 120.97 | 0.76 | 42.6 |
| 4.655 | 30.33 | 6.98 | 3.55 | 4.58 | 120.91 | 0.75 | 42.6 |
| 4.663 | 30.33 | 6.98 | 3.55 | 4.58 | 119.35 | 0.75 | 42.6 |
| 4.674 | 30.33 | 6.98 | 3.59 | 4.58 | 117.38 | 0.77 | 42.6 |
| 4.679 | 30.33 | 6.98 | 3.51 | 4.58 | 119.8 | 0.71 | 42.61 |
| 4.698 | 30.33 | 6.98 | 3.59 | 4.58 | 117.08 | 0.81 | 42.6 |
| 4.724 | 30.33 | 6.98 | 3.51 | 4.57 | 114.96 | 0.77 | 42.61 |
| 4.747 | 30.33 | 6.98 | 3.66 | 4.57 | 114.5 | 0.78 | 42.61 |
| 4.757 | 30.33 | 6.98 | 3.59 | 4.56 | 115.01 | 0.76 | 42.61 |
| 4.764 | 30.33 | 6.98 | 3.66 | 4.56 | 113.87 | 0.81 | 42.61 |
| 4.791 | 30.33 | 6.98 | 3.4 | 4.57 | 111.16 | 0.8 | 42.61 |
| 4.805 | 30.33 | 6.98 | 3.32 | 4.57 | 110.05 | 0.82 | 42.61 |
| 4.814 | 30.33 | 6.98 | 3.7 | 4.57 | 108.69 | 0.83 | 42.61 |
| 4.83 | 30.33 | 6.98 | 3.74 | 4.58 | 108.86 | 0.84 | 42.61 |
| 4.841 | 30.33 | 6.98 | 3.47 | 4.58 | 109.17 | 0.79 | 42.61 |
| 4.849 | 30.33 | 6.98 | 3.4 | 4.58 | 107.38 | 0.88 | 42.61 |

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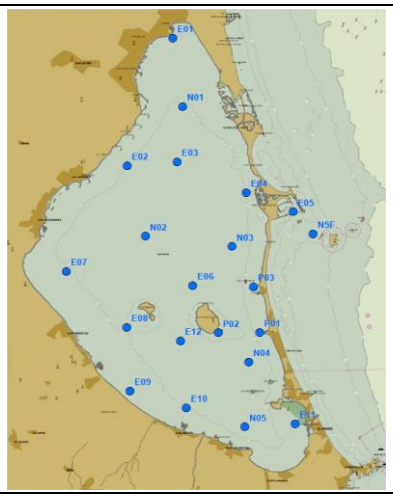
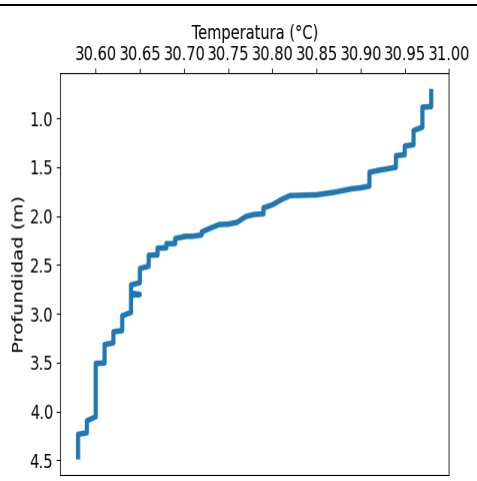
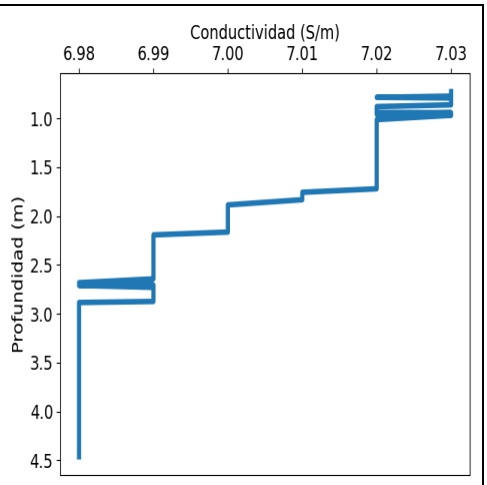
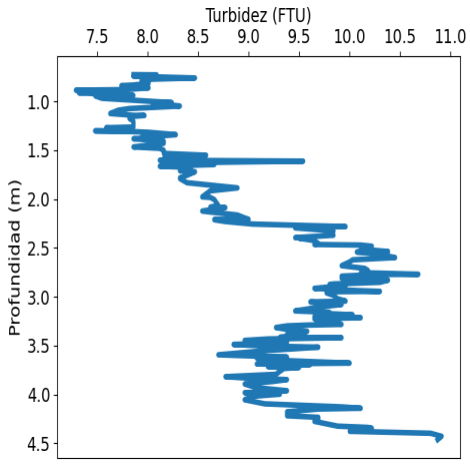
|---|---|---|---|---|---|---|---|
| 4.856 | 30.33 | 6.98 | 3.4 | 4.57 | 108.99 | 0.76 | 42.6 |
| 4.864 | 30.33 | 6.98 | 3.82 | 4.57 | 107.09 | 0.72 | 42.6 |
| 4.881 | 30.33 | 6.98 | 3.74 | 4.57 | 106.54 | 0.82 | 42.6 |
| 4.888 | 30.33 | 6.98 | 4.08 | 4.57 | 107.19 | 0.77 | 42.6 |
| 4.89 | 30.33 | 6.98 | 3.55 | 4.57 | 106.91 | 0.78 | 42.6 |
| 4.891 | 30.33 | 6.98 | 3.74 | 4.57 | 107.09 | 0.75 | 42.6 |
| 4.892 | 30.33 | 6.98 | 3.89 | 4.58 | 106.49 | 0.77 | 42.6 |
| 4.893 | 30.33 | 6.98 | 4.62 | 4.58 | 106.34 | 0.79 | 42.6 |
| 4.895 | 30.33 | 6.98 | 4.73 | 4.58 | 106.99 | 0.78 | 42.6 |
| 4.896 | 30.33 | 6.98 | 4.88 | 4.58 | 107.31 | 0.77 | 42.6 |
| 4.898 | 30.33 | 6.98 | 4.69 | 4.58 | 108.69 | 0.82 | 42.6 |
| 4.9 | 30.33 | 6.98 | 4.2 | 4.57 | 109.27 | 0.8 | 42.6 |

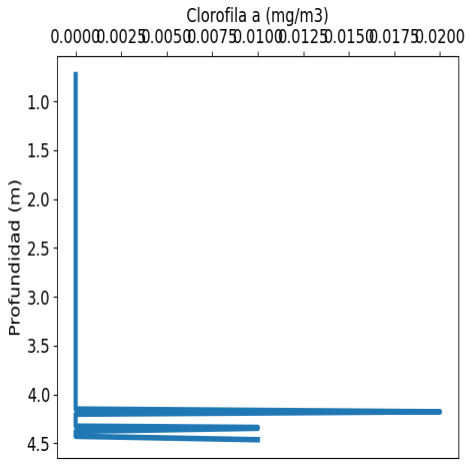
**Nombre: CTD E07 - Punto 021** **Fecha: 08/08/2022** **Hora: 11:08:16**

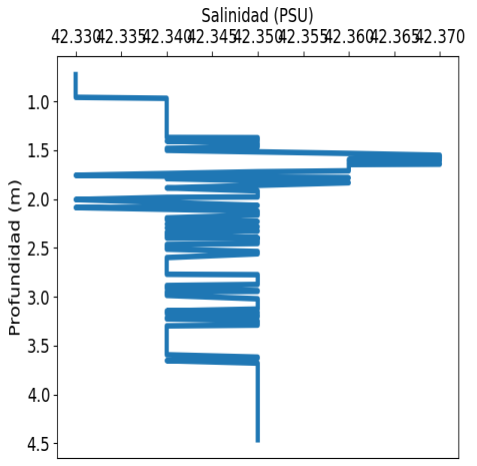


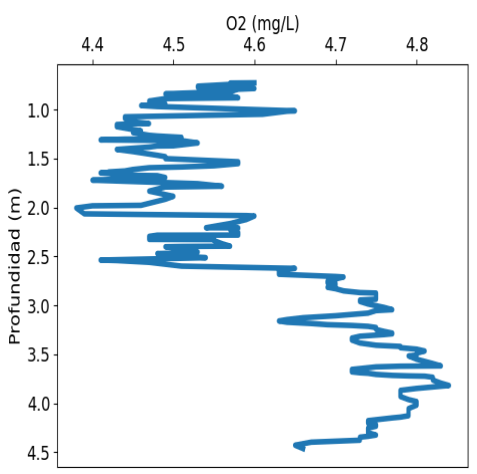



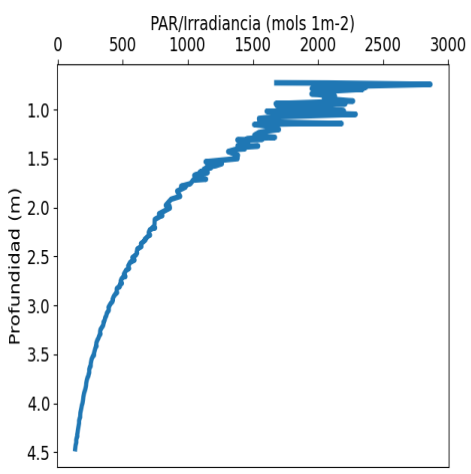




| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila ($mg/m^3$) | Salinidad (PSU) |
| **MÍNIMO** | 30.58 | 6.98 | 7.29 | 4.38 | 135.21 | 0.0 | 42.33 |
| **PROF (metros)** | 4.233 | 2.681 | 0.885 | 2.004 | 4.462 | 0.726 | 0.726 |
| **MÁXIMO** | 30.98 | 30.98 | 10.91 | 4.84 | 2864.0 | 0.02 | 42.37 |
| **PROF (metros)** | 0.726 | 0.726 | 4.427 | 3.817 | 0.742 | 4.176 | 1.551 |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CTD E07 - Punto 021 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m | 30.98 | 7.03 | 7.81 | 4.53 | 2080.37 | 0.0 | 42.33 |
| 1 - 2m | 30.92 | 7.02 | 8.17 | 4.48 | 1345.32 | 0.0 | 42.35 |
| 2 - 3m | 30.67 | 6.99 | 9.71 | 4.6 | 586.03 | 0.0 | 42.34 |
| 3 - 4m | 30.61 | 6.98 | 9.43 | 4.76 | 285.42 | 0.0 | 42.35 |
| 4 - 5m | 30.58 | 6.98 | 9.83 | 4.74 | 159.67 | 0.0 | 42.35 |

| 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) |
| 0.726 | 30.98 | 7.03 | 7.86 | 4.6 | 1679.0 | 0.0 | 42.33 |
| 0.728 | 30.98 | 7.03 | 8.09 | 4.57 | 2072.3 | 0.0 | 42.33 |
| 0.742 | 30.98 | 7.03 | 7.86 | 4.57 | 2864.0 | 0.0 | 42.33 |
| 0.76 | 30.98 | 7.03 | 8.47 | 4.53 | 2271.5 | 0.0 | 42.33 |
| 0.772 | 30.98 | 7.03 | 8.05 | 4.53 | 2367.7 | 0.0 | 42.33 |
| 0.784 | 30.98 | 7.02 | 7.94 | 4.6 | 1950.7 | 0.0 | 42.33 |
| 0.791 | 30.98 | 7.03 | 8.01 | 4.58 | 2343.7 | 0.0 | 42.33 |
| 0.816 | 30.98 | 7.03 | 8.01 | 4.57 | 2017.3 | 0.0 | 42.33 |
| 0.832 | 30.98 | 7.03 | 7.86 | 4.51 | 2065.1 | 0.0 | 42.33 |
| 0.839 | 30.98 | 7.03 | 7.74 | 4.49 | 1948.9 | 0.0 | 42.33 |
| 0.861 | 30.98 | 7.03 | 8.01 | 4.57 | 2130.7 | 0.0 | 42.33 |
| 0.879 | 30.98 | 7.02 | 7.78 | 4.58 | 2104.7 | 0.0 | 42.33 |
| 0.885 | 30.97 | 7.02 | 7.29 | 4.52 | 2056.5 | 0.0 | 42.33 |
| 0.887 | 30.97 | 7.02 | 7.78 | 4.49 | 2045.1 | 0.0 | 42.33 |
| 0.912 | 30.97 | 7.02 | 7.32 | 4.47 | 2269.9 | 0.0 | 42.33 |
| 0.939 | 30.97 | 7.02 | 7.86 | 4.49 | 1674.0 | 0.0 | 42.33 |
| 0.941 | 30.97 | 7.03 | 7.48 | 4.49 | 2209.7 | 0.0 | 42.33 |
| 0.958 | 30.97 | 7.02 | 7.52 | 4.46 | 1682.5 | 0.0 | 42.33 |
| 0.968 | 30.97 | 7.03 | 7.55 | 4.48 | 1773.8 | 0.0 | 42.34 |
| 1.012 | 30.97 | 7.02 | 8.24 | 4.65 | 2199.0 | 0.0 | 42.34 |
| 1.016 | 30.97 | 7.02 | 8.05 | 4.64 | 1604.8 | 0.0 | 42.34 |
| 1.047 | 30.97 | 7.02 | 8.32 | 4.61 | 2290.0 | 0.0 | 42.34 |
| 1.073 | 30.97 | 7.02 | 7.82 | 4.44 | 1674.4 | 0.0 | 42.34 |
| 1.09 | 30.97 | 7.02 | 7.71 | 4.44 | 1546.0 | 0.0 | 42.34 |
| 1.124 | 30.96 | 7.02 | 7.63 | 4.45 | 1550.0 | 0.0 | 42.34 |
| 1.142 | 30.96 | 7.02 | 7.86 | 4.47 | 2181.7 | 0.0 | 42.34 |
| 1.144 | 30.96 | 7.02 | 7.97 | 4.45 | 1802.8 | 0.0 | 42.34 |
| 1.152 | 30.96 | 7.02 | 7.86 | 4.43 | 1508.5 | 0.0 | 42.34 |
| 1.174 | 30.96 | 7.02 | 7.82 | 4.43 | 1660.8 | 0.0 | 42.34 |
| 1.203 | 30.96 | 7.02 | 7.86 | 4.45 | 1700.6 | 0.0 | 42.34 |
| 1.216 | 30.96 | 7.02 | 7.86 | 4.46 | 1621.6 | 0.0 | 42.34 |
| 1.234 | 30.96 | 7.02 | 7.86 | 4.45 | 1546.0 | 0.0 | 42.34 |
| 1.262 | 30.96 | 7.02 | 7.86 | 4.47 | 1509.9 | 0.0 | 42.34 |
| 1.269 | 30.96 | 7.02 | 7.59 | 4.48 | 1551.8 | 0.0 | 42.34 |
| 1.283 | 30.95 | 7.02 | 7.74 | 4.51 | 1670.1 | 0.0 | 42.34 |
| 1.295 | 30.95 | 7.02 | 7.82 | 4.51 | 1494.3 | 0.0 | 42.34 |
| 1.3 | 30.95 | 7.02 | 7.78 | 4.49 | 1450.6 | 0.0 | 42.34 |

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|---|---|---|---|---|---|---|---|
| 1.301 | 30.95 | 7.02 | 7.48 | 4.44 | 1573.9 | 0.0 | 42.34 |
| 1.309 | 30.95 | 7.02 | 7.86 | 4.41 | 1379.7 | 0.0 | 42.34 |
| 1.316 | 30.95 | 7.02 | 8.01 | 4.51 | 1461.0 | 0.0 | 42.34 |
| 1.34 | 30.95 | 7.02 | 8.28 | 4.53 | 1461.4 | 0.0 | 42.34 |
| 1.369 | 30.95 | 7.02 | 7.94 | 4.5 | 1381.0 | 0.0 | 42.34 |
| 1.371 | 30.95 | 7.02 | 8.05 | 4.48 | 1540.7 | 0.0 | 42.35 |
| 1.382 | 30.94 | 7.02 | 7.86 | 4.47 | 1435.9 | 0.0 | 42.35 |
| 1.4 | 30.94 | 7.02 | 8.09 | 4.44 | 1438.2 | 0.0 | 42.35 |
| 1.406 | 30.94 | 7.02 | 8.16 | 4.43 | 1367.0 | 0.0 | 42.34 |
| 1.428 | 30.94 | 7.02 | 8.16 | 4.45 | 1309.3 | 0.0 | 42.35 |
| 1.466 | 30.94 | 7.02 | 7.86 | 4.48 | 1386.2 | 0.0 | 42.35 |
| 1.48 | 30.94 | 7.02 | 8.12 | 4.49 | 1381.0 | 0.0 | 42.34 |
| 1.5 | 30.94 | 7.02 | 8.16 | 4.49 | 1382.6 | 0.0 | 42.34 |
| 1.532 | 30.92 | 7.02 | 8.16 | 4.58 | 1135.9 | 0.0 | 42.36 |
| 1.551 | 30.91 | 7.02 | 8.58 | 4.58 | 1262.5 | 0.0 | 42.37 |
| 1.573 | 30.91 | 7.02 | 8.24 | 4.55 | 1212.9 | 0.0 | 42.37 |
| 1.585 | 30.91 | 7.02 | 8.16 | 4.51 | 1145.2 | 0.0 | 42.37 |
| 1.593 | 30.91 | 7.02 | 8.54 | 4.47 | 1179.1 | 0.0 | 42.36 |
| 1.602 | 30.91 | 7.02 | 8.12 | 4.46 | 1134.1 | 0.0 | 42.37 |
| 1.611 | 30.91 | 7.02 | 9.54 | 4.45 | 1121.0 | 0.0 | 42.36 |
| 1.626 | 30.91 | 7.02 | 8.47 | 4.44 | 1129.9 | 0.0 | 42.36 |
| 1.636 | 30.91 | 7.02 | 8.62 | 4.42 | 1093.0 | 0.0 | 42.37 |
| 1.642 | 30.91 | 7.02 | 8.39 | 4.42 | 1153.4 | 0.0 | 42.37 |
| 1.646 | 30.91 | 7.02 | 8.66 | 4.41 | 1115.3 | 0.0 | 42.36 |
| 1.652 | 30.91 | 7.02 | 8.47 | 4.42 | 1103.5 | 0.0 | 42.36 |
| 1.663 | 30.91 | 7.02 | 8.12 | 4.43 | 1063.5 | 0.0 | 42.36 |
| 1.672 | 30.91 | 7.02 | 8.35 | 4.46 | 1048.9 | 0.0 | 42.36 |
| 1.674 | 30.91 | 7.02 | 8.35 | 4.48 | 1111.7 | 0.0 | 42.36 |
| 1.693 | 30.91 | 7.02 | 8.43 | 4.49 | 1059.4 | 0.0 | 42.36 |
| 1.71 | 30.9 | 7.02 | 8.32 | 4.43 | 1140.7 | 0.0 | 42.36 |
| 1.72 | 30.89 | 7.02 | 8.47 | 4.4 | 1040.6 | 0.0 | 42.35 |
| 1.756 | 30.87 | 7.01 | 8.39 | 4.53 | 1020.1 | 0.0 | 42.33 |
| 1.782 | 30.85 | 7.01 | 8.32 | 4.56 | 948.05 | 0.0 | 42.36 |
| 1.79 | 30.82 | 7.01 | 8.32 | 4.49 | 982.95 | 0.0 | 42.34 |
| 1.832 | 30.81 | 7.01 | 8.39 | 4.47 | 917.57 | 0.0 | 42.36 |
| 1.885 | 30.8 | 7.0 | 8.89 | 4.5 | 941.92 | 0.0 | 42.34 |
| 1.915 | 30.79 | 7.0 | 8.62 | 4.49 | 871.55 | 0.0 | 42.35 |
| 1.977 | 30.79 | 7.0 | 8.54 | 4.46 | 830.34 | 0.0 | 42.35 |
| 1.982 | 30.78 | 7.0 | 8.62 | 4.4 | 859.31 | 0.0 | 42.34 |
| 2.004 | 30.77 | 7.0 | 8.66 | 4.38 | 863.1 | 0.0 | 42.33 |
| 2.064 | 30.76 | 7.0 | 8.7 | 4.39 | 778.34 | 0.0 | 42.35 |
| 2.082 | 30.75 | 7.0 | 8.62 | 4.59 | 804.94 | 0.0 | 42.34 |
| 2.086 | 30.74 | 7.0 | 8.77 | 4.6 | 792.54 | 0.0 | 42.33 |
| 2.122 | 30.73 | 7.0 | 8.54 | 4.59 | 745.5 | 0.0 | 42.35 |
| 2.163 | 30.72 | 7.0 | 8.89 | 4.57 | 744.64 | 0.0 | 42.35 |
| 2.192 | 30.72 | 6.99 | 8.96 | 4.55 | 742.74 | 0.0 | 42.34 |
| 2.206 | 30.71 | 6.99 | 9.0 | 4.54 | 728.08 | 0.0 | 42.34 |
| 2.207 | 30.7 | 6.99 | 8.66 | 4.58 | 749.14 | 0.0 | 42.34 |
| 2.211 | 30.7 | 6.99 | 8.66 | 4.58 | 731.63 | 0.0 | 42.34 |
| 2.229 | 30.69 | 6.99 | 8.77 | 4.57 | 707.45 | 0.0 | 42.35 |
| 2.255 | 30.69 | 6.99 | 9.04 | 4.58 | 699.3 | 0.0 | 42.34 |
| 2.281 | 30.69 | 6.99 | 9.96 | 4.58 | 710.41 | 0.0 | 42.35 |
| 2.282 | 30.68 | 6.99 | 9.46 | 4.48 | 703.37 | 0.0 | 42.35 |
| 2.294 | 30.68 | 6.99 | 9.46 | 4.47 | 693.49 | 0.0 | 42.34 |
| 2.325 | 30.68 | 6.99 | 9.84 | 4.47 | 668.71 | 0.0 | 42.35 |
| 2.327 | 30.67 | 6.99 | 9.84 | 4.55 | 676.04 | 0.0 | 42.35 |
| 2.337 | 30.67 | 6.99 | 9.77 | 4.55 | 669.33 | 0.0 | 42.34 |
| 2.369 | 30.67 | 6.99 | 9.84 | 4.56 | 639.75 | 0.0 | 42.34 |

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|---|---|---|---|---|---|---|---|
| 2.394 | 30.67 | 6.99 | 9.46 | 4.57 | 642.73 | 0.0 | 42.35 |
| 2.397 | 30.67 | 6.99 | 9.54 | 4.51 | 644.07 | 0.0 | 42.34 |
| 2.4 | 30.66 | 6.99 | 9.5 | 4.49 | 640.05 | 0.0 | 42.35 |
| 2.424 | 30.66 | 6.99 | 9.65 | 4.51 | 611.62 | 0.0 | 42.35 |
| 2.454 | 30.66 | 6.99 | 9.69 | 4.53 | 608.09 | 0.0 | 42.35 |
| 2.464 | 30.66 | 6.99 | 9.65 | 4.51 | 610.92 | 0.0 | 42.34 |
| 2.47 | 30.66 | 6.99 | 10.11 | 4.48 | 607.25 | 0.0 | 42.34 |
| 2.482 | 30.66 | 6.99 | 10.22 | 4.49 | 602.76 | 0.0 | 42.34 |
| 2.512 | 30.66 | 6.99 | 10.11 | 4.54 | 573.86 | 0.0 | 42.34 |
| 2.536 | 30.65 | 6.99 | 10.38 | 4.41 | 591.14 | 0.0 | 42.35 |
| 2.541 | 30.65 | 6.99 | 10.07 | 4.43 | 583.38 | 0.0 | 42.35 |
| 2.559 | 30.65 | 6.99 | 10.26 | 4.47 | 557.86 | 0.0 | 42.35 |
| 2.598 | 30.65 | 6.99 | 10.45 | 4.51 | 541.55 | 0.0 | 42.34 |
| 2.621 | 30.65 | 6.99 | 10.03 | 4.65 | 549.77 | 0.0 | 42.34 |
| 2.642 | 30.65 | 6.99 | 10.0 | 4.63 | 525.11 | 0.0 | 42.34 |
| 2.681 | 30.65 | 6.98 | 9.92 | 4.63 | 508.82 | 0.0 | 42.34 |
| 2.704 | 30.64 | 6.99 | 10.11 | 4.7 | 521.35 | 0.0 | 42.34 |
| 2.709 | 30.64 | 6.98 | 10.15 | 4.71 | 504.36 | 0.0 | 42.34 |
| 2.729 | 30.64 | 6.99 | 10.18 | 4.7 | 490.63 | 0.0 | 42.34 |
| 2.752 | 30.64 | 6.99 | 10.11 | 4.69 | 484.08 | 0.0 | 42.34 |
| 2.769 | 30.64 | 6.99 | 10.68 | 4.69 | 488.48 | 0.0 | 42.34 |
| 2.773 | 30.64 | 6.99 | 10.11 | 4.7 | 494.29 | 0.0 | 42.35 |
| 2.777 | 30.64 | 6.99 | 10.15 | 4.7 | 481.84 | 0.0 | 42.35 |
| 2.788 | 30.64 | 6.99 | 9.92 | 4.7 | 477.84 | 0.0 | 42.35 |
| 2.801 | 30.65 | 6.99 | 9.92 | 4.7 | 479.95 | 0.0 | 42.35 |
| 2.809 | 30.64 | 6.99 | 9.92 | 4.7 | 476.29 | 0.0 | 42.35 |
| 2.814 | 30.64 | 6.99 | 10.03 | 4.69 | 466.78 | 0.0 | 42.35 |
| 2.829 | 30.64 | 6.99 | 10.38 | 4.7 | 453.88 | 0.0 | 42.35 |
| 2.851 | 30.64 | 6.99 | 10.3 | 4.71 | 453.67 | 0.0 | 42.35 |
| 2.868 | 30.64 | 6.99 | 9.84 | 4.73 | 457.47 | 0.0 | 42.35 |
| 2.873 | 30.64 | 6.99 | 9.8 | 4.75 | 453.35 | 0.0 | 42.35 |
| 2.884 | 30.64 | 6.98 | 9.96 | 4.75 | 443.37 | 0.0 | 42.34 |
| 2.913 | 30.64 | 6.98 | 9.65 | 4.75 | 429.12 | 0.0 | 42.34 |
| 2.936 | 30.64 | 6.98 | 10.07 | 4.75 | 422.8 | 0.0 | 42.35 |
| 2.944 | 30.64 | 6.98 | 10.3 | 4.73 | 425.45 | 0.0 | 42.35 |
| 2.947 | 30.64 | 6.98 | 9.88 | 4.73 | 424.08 | 0.0 | 42.34 |
| 2.959 | 30.64 | 6.98 | 9.77 | 4.73 | 421.63 | 0.0 | 42.34 |
| 2.985 | 30.64 | 6.98 | 9.84 | 4.74 | 405.24 | 0.0 | 42.34 |
| 3.02 | 30.63 | 6.98 | 9.88 | 4.76 | 390.58 | 0.0 | 42.35 |
| 3.043 | 30.63 | 6.98 | 9.96 | 4.77 | 393.94 | 0.0 | 42.35 |
| 3.052 | 30.63 | 6.98 | 9.61 | 4.75 | 392.21 | 0.0 | 42.35 |
| 3.078 | 30.63 | 6.98 | 9.92 | 4.74 | 377.93 | 0.0 | 42.35 |
| 3.105 | 30.63 | 6.98 | 9.69 | 4.7 | 373.93 | 0.0 | 42.35 |
| 3.125 | 30.63 | 6.98 | 9.58 | 4.66 | 365.53 | 0.0 | 42.35 |
| 3.144 | 30.63 | 6.98 | 9.46 | 4.64 | 362.58 | 0.0 | 42.34 |
| 3.158 | 30.63 | 6.98 | 9.8 | 4.63 | 359.15 | 0.0 | 42.35 |
| 3.171 | 30.63 | 6.98 | 9.77 | 4.64 | 351.9 | 0.0 | 42.34 |
| 3.184 | 30.62 | 6.98 | 10.03 | 4.67 | 353.04 | 0.0 | 42.35 |
| 3.196 | 30.62 | 6.98 | 9.92 | 4.69 | 351.24 | 0.0 | 42.35 |
| 3.204 | 30.62 | 6.98 | 9.65 | 4.72 | 349.46 | 0.0 | 42.35 |
| 3.213 | 30.62 | 6.98 | 10.11 | 4.74 | 345.43 | 0.0 | 42.34 |
| 3.225 | 30.62 | 6.98 | 9.65 | 4.75 | 339.56 | 0.0 | 42.34 |
| 3.245 | 30.62 | 6.98 | 9.69 | 4.75 | 329.48 | 0.0 | 42.35 |
| 3.265 | 30.62 | 6.98 | 9.88 | 4.76 | 326.59 | 0.0 | 42.35 |
| 3.282 | 30.62 | 6.98 | 9.92 | 4.77 | 326.59 | 0.0 | 42.35 |
| 3.289 | 30.62 | 6.98 | 9.58 | 4.77 | 329.94 | 0.0 | 42.35 |
| 3.297 | 30.62 | 6.98 | 9.38 | 4.76 | 325.98 | 0.0 | 42.34 |
| 3.314 | 30.61 | 6.98 | 9.27 | 4.73 | 318.29 | 0.0 | 42.34 |

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|---|---|---|---|---|---|---|---|
| 3.333 | 30.61 | 6.98 | 9.38 | 4.72 | 313.83 | 0.0 | 42.34 |
| 3.353 | 30.61 | 6.98 | 9.58 | 4.72 | 305.5 | 0.0 | 42.34 |
| 3.383 | 30.61 | 6.98 | 9.38 | 4.73 | 297.67 | 0.0 | 42.34 |
| 3.406 | 30.61 | 6.98 | 9.38 | 4.75 | 296.98 | 0.0 | 42.34 |
| 3.414 | 30.61 | 6.98 | 9.31 | 4.77 | 300.1 | 0.0 | 42.34 |
| 3.418 | 30.61 | 6.98 | 9.92 | 4.78 | 295.4 | 0.0 | 42.34 |
| 3.431 | 30.61 | 6.98 | 9.19 | 4.78 | 290.99 | 0.0 | 42.34 |
| 3.446 | 30.61 | 6.98 | 8.96 | 4.8 | 287.9 | 0.0 | 42.34 |
| 3.465 | 30.61 | 6.98 | 9.38 | 4.81 | 284.06 | 0.0 | 42.34 |
| 3.487 | 30.61 | 6.98 | 8.85 | 4.8 | 279.81 | 0.0 | 42.34 |
| 3.503 | 30.61 | 6.98 | 9.16 | 4.8 | 278.84 | 0.0 | 42.34 |
| 3.507 | 30.6 | 6.98 | 9.35 | 4.8 | 280.13 | 0.0 | 42.34 |
| 3.515 | 30.6 | 6.98 | 9.69 | 4.79 | 271.82 | 0.0 | 42.34 |
| 3.549 | 30.6 | 6.98 | 9.19 | 4.8 | 261.01 | 0.0 | 42.34 |
| 3.593 | 30.6 | 6.98 | 8.7 | 4.82 | 254.68 | 0.0 | 42.34 |
| 3.617 | 30.6 | 6.98 | 9.38 | 4.83 | 254.21 | 0.0 | 42.35 |
| 3.62 | 30.6 | 6.98 | 9.19 | 4.78 | 254.38 | 0.0 | 42.35 |
| 3.627 | 30.6 | 6.98 | 9.08 | 4.75 | 248.33 | 0.0 | 42.35 |
| 3.653 | 30.6 | 6.98 | 9.38 | 4.72 | 242.69 | 0.0 | 42.34 |
| 3.678 | 30.6 | 6.98 | 10.0 | 4.72 | 242.75 | 0.0 | 42.35 |
| 3.687 | 30.6 | 6.98 | 9.08 | 4.73 | 243.37 | 0.0 | 42.35 |
| 3.692 | 30.6 | 6.98 | 9.61 | 4.74 | 240.06 | 0.0 | 42.35 |
| 3.704 | 30.6 | 6.98 | 9.31 | 4.75 | 238.07 | 0.0 | 42.35 |
| 3.714 | 30.6 | 6.98 | 9.19 | 4.77 | 237.74 | 0.0 | 42.35 |
| 3.719 | 30.6 | 6.98 | 9.27 | 4.79 | 236.8 | 0.0 | 42.35 |
| 3.722 | 30.6 | 6.98 | 9.5 | 4.81 | 235.82 | 0.0 | 42.35 |
| 3.733 | 30.6 | 6.98 | 9.35 | 4.82 | 230.74 | 0.0 | 42.35 |
| 3.762 | 30.6 | 6.98 | 9.31 | 4.82 | 224.41 | 0.0 | 42.35 |
| 3.793 | 30.6 | 6.98 | 9.27 | 4.83 | 220.03 | 0.0 | 42.35 |
| 3.817 | 30.6 | 6.98 | 8.77 | 4.84 | 218.76 | 0.0 | 42.35 |
| 3.832 | 30.6 | 6.98 | 9.0 | 4.82 | 216.64 | 0.0 | 42.35 |
| 3.847 | 30.6 | 6.98 | 9.38 | 4.8 | 214.19 | 0.0 | 42.35 |
| 3.867 | 30.6 | 6.98 | 9.23 | 4.78 | 210.16 | 0.0 | 42.35 |
| 3.892 | 30.6 | 6.98 | 8.96 | 4.78 | 203.97 | 0.0 | 42.35 |
| 3.93 | 30.6 | 6.98 | 9.08 | 4.78 | 198.28 | 0.0 | 42.35 |
| 3.961 | 30.6 | 6.98 | 9.38 | 4.79 | 195.82 | 0.0 | 42.35 |
| 3.981 | 30.6 | 6.98 | 8.96 | 4.8 | 193.51 | 0.0 | 42.35 |
| 3.996 | 30.6 | 6.98 | 9.31 | 4.8 | 191.68 | 0.0 | 42.35 |
| 4.018 | 30.6 | 6.98 | 9.04 | 4.8 | 186.6 | 0.0 | 42.35 |
| 4.053 | 30.6 | 6.98 | 8.96 | 4.79 | 181.69 | 0.0 | 42.35 |
| 4.095 | 30.59 | 6.98 | 9.16 | 4.79 | 175.0 | 0.0 | 42.35 |
| 4.126 | 30.59 | 6.98 | 9.92 | 4.79 | 173.54 | 0.0 | 42.35 |
| 4.14 | 30.59 | 6.98 | 10.11 | 4.78 | 173.9 | 0.0 | 42.35 |
| 4.148 | 30.59 | 6.98 | 9.69 | 4.77 | 170.39 | 0.0 | 42.35 |
| 4.176 | 30.59 | 6.98 | 9.38 | 4.74 | 165.03 | 0.02 | 42.35 |
| 4.201 | 30.59 | 6.98 | 9.38 | 4.74 | 164.95 | 0.0 | 42.35 |
| 4.217 | 30.59 | 6.98 | 9.38 | 4.75 | 162.94 | 0.0 | 42.35 |
| 4.233 | 30.58 | 6.98 | 9.69 | 4.75 | 161.55 | 0.0 | 42.35 |
| 4.252 | 30.58 | 6.98 | 9.69 | 4.74 | 158.69 | 0.0 | 42.35 |
| 4.274 | 30.58 | 6.98 | 9.65 | 4.74 | 155.74 | 0.0 | 42.35 |
| 4.299 | 30.58 | 6.98 | 9.77 | 4.74 | 153.34 | 0.0 | 42.35 |
| 4.323 | 30.58 | 6.98 | 9.88 | 4.75 | 149.93 | 0.0 | 42.35 |
| 4.336 | 30.58 | 6.98 | 10.18 | 4.74 | 152.21 | 0.01 | 42.35 |
| 4.345 | 30.58 | 6.98 | 10.22 | 4.73 | 147.62 | 0.01 | 42.35 |
| 4.376 | 30.58 | 6.98 | 10.0 | 4.73 | 142.61 | 0.0 | 42.35 |
| 4.396 | 30.58 | 6.98 | 10.8 | 4.67 | 144.14 | 0.0 | 42.35 |
| 4.427 | 30.58 | 6.98 | 10.91 | 4.65 | 138.25 | 0.0 | 42.35 |
| 4.462 | 30.58 | 6.98 | 10.87 | 4.66 | 135.21 | 0.01 | 42.35 |