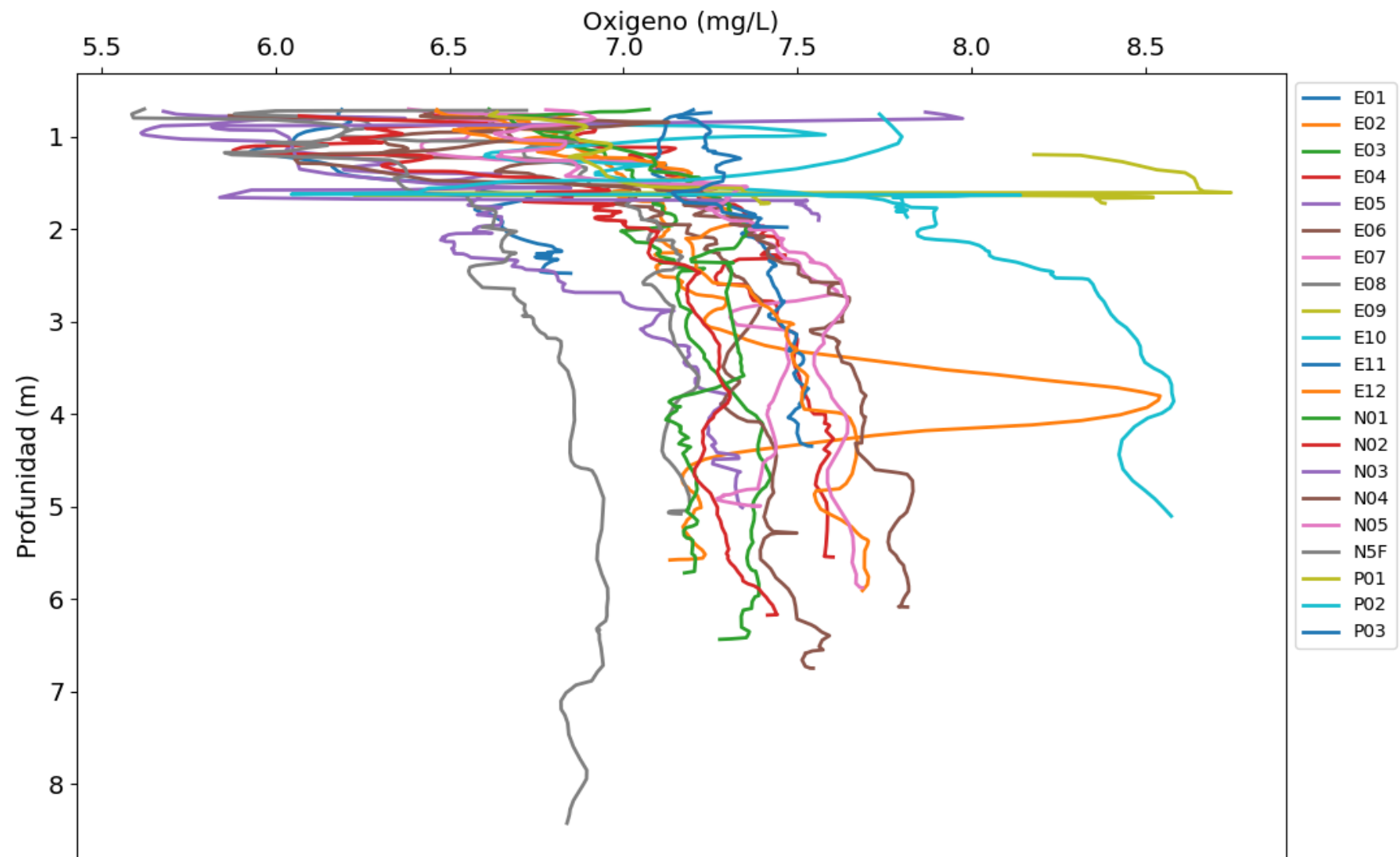
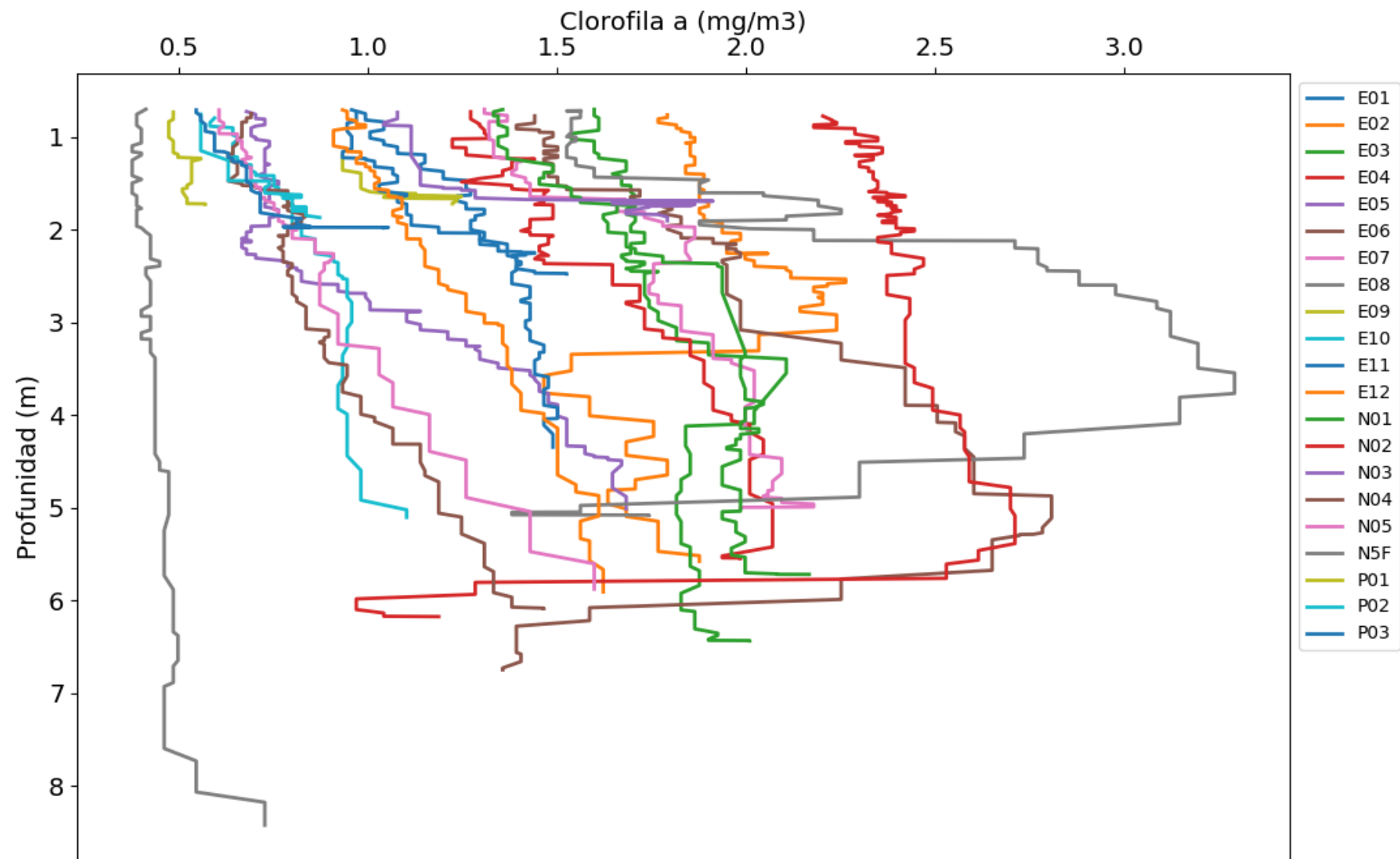
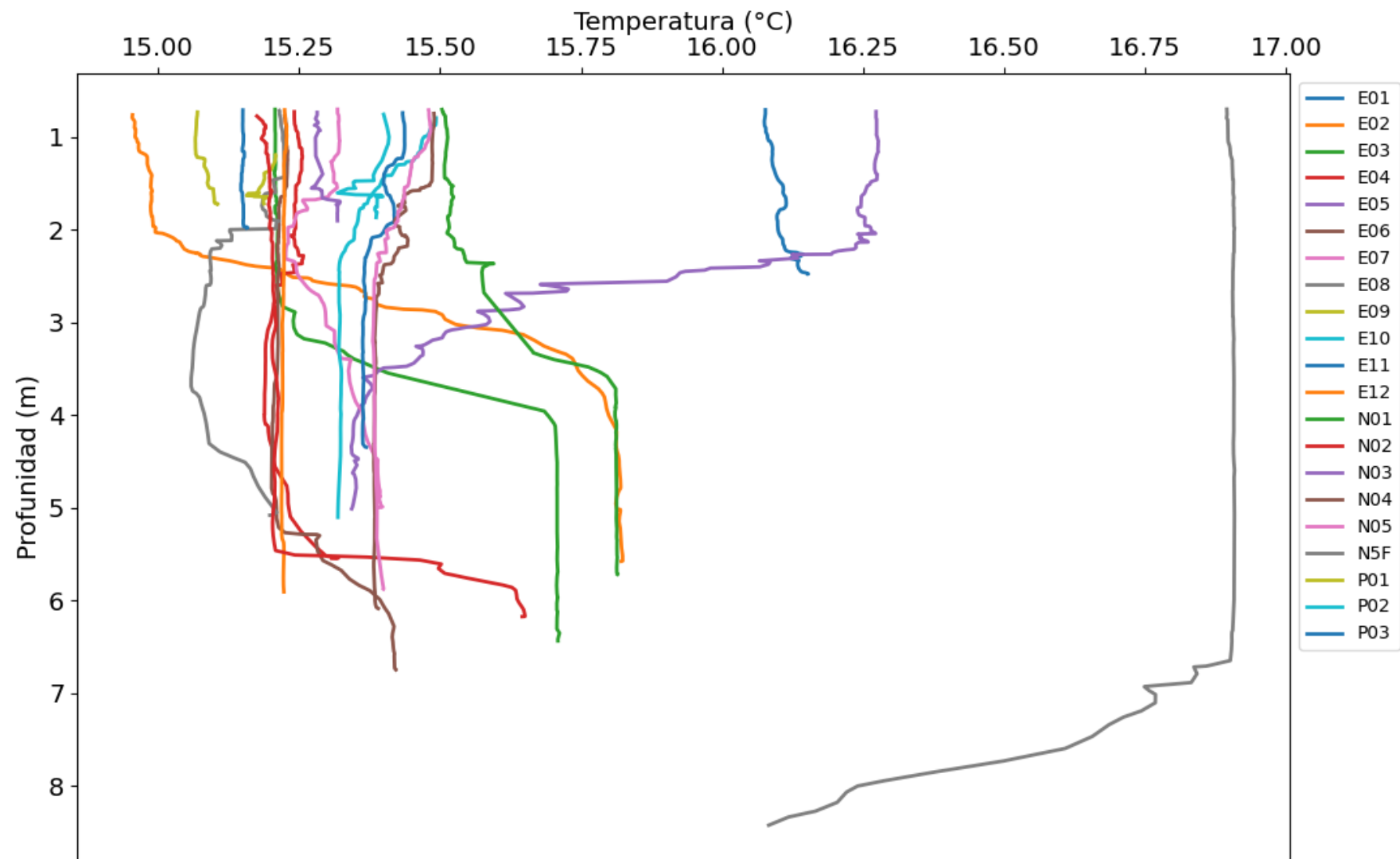
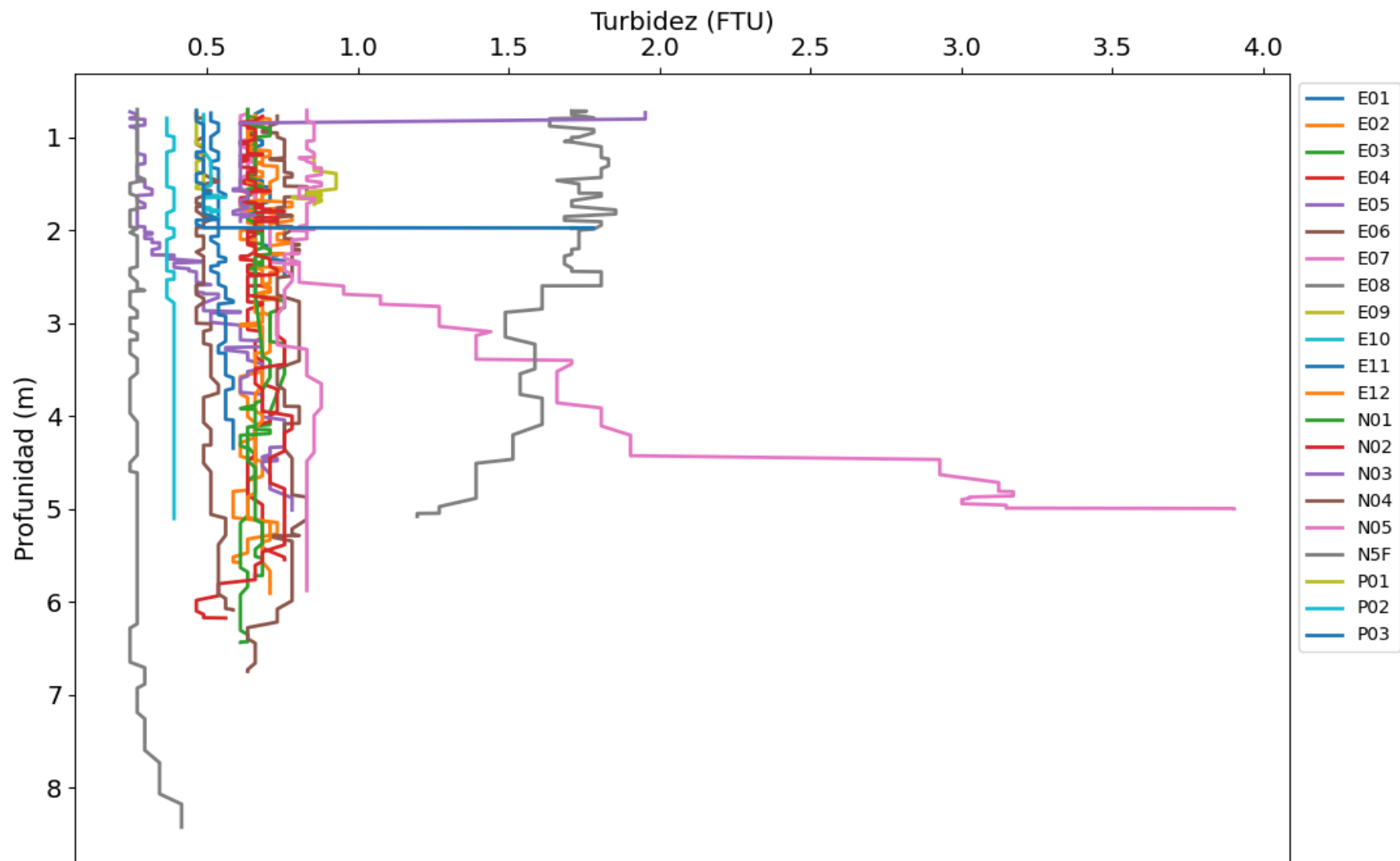
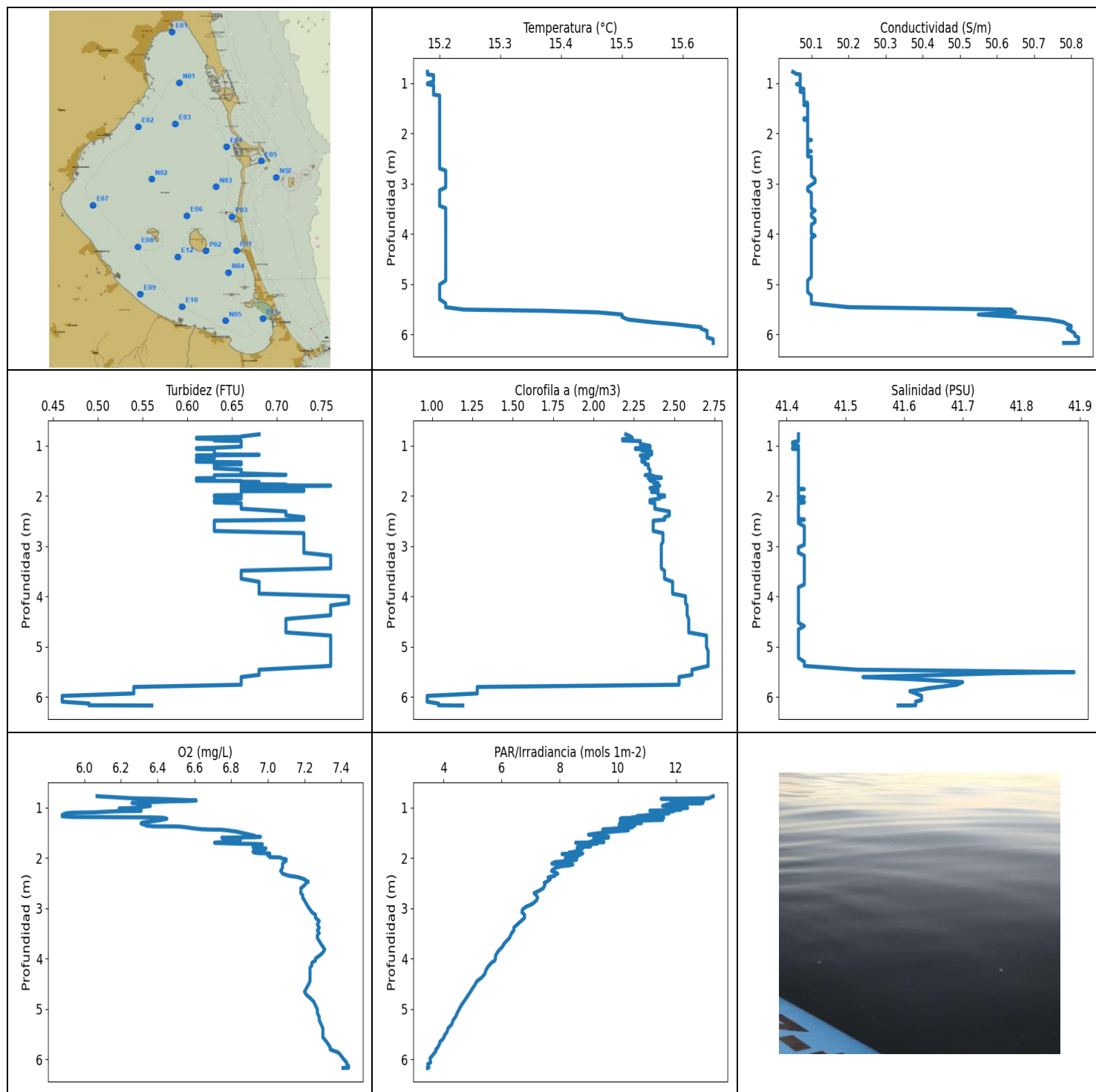












### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.18         | 50.05                  | 0.46              | 5.88              | 3.45                           | 0.97                              | 41.41              |
| <b>PROF (metros)</b> | 0.775         | 0.775                  | 5.983             | 1.147             | 6.174                          | 5.983                             | 0.935              |
| <b>MÁXIMO</b>        | 15.65         | 15.65                  | 0.78              | 7.44              | 13.28                          | 2.71                              | 41.89              |
| <b>PROF (metros)</b> | 6.098         | 6.065                  | 3.999             | 6.135             | 0.775                          | 5.086                             | 5.509              |

| 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                                                     | 15.19      | 50.07               | 0.65           | 6.37           | 12.44                       | 2.23              | 41.42           |
| 1 - 2m                                                     | 15.2       | 50.08               | 0.65           | 6.68           | 9.65                        | 2.36              | 41.42           |
| 2 - 3m                                                     | 15.2       | 50.1                | 0.68           | 7.14           | 7.72                        | 2.41              | 41.43           |
| 3 - 4m                                                     | 15.21      | 50.1                | 0.71           | 7.27           | 6.31                        | 2.45              | 41.43           |
| 4 - 5m                                                     | 15.21      | 50.1                | 0.74           | 7.23           | 5.19                        | 2.6               | 41.42           |
| 5 - 6m                                                     | 15.42      | 50.51               | 0.65           | 7.32           | 4.0                         | 2.21              | 41.59           |
| 6 - 7m                                                     | 15.65      | 50.81               | 0.5            | 7.43           | 3.49                        | 1.05              | 41.62           |

| OBSERVACIONES GENERALES                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.23, 2.36, 2.41, 2.45, 2.6, 2.21 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) |
| 0.775                                                          | 15.18      | 50.05               | 0.68           | 6.07           | 13.28                       | 2.2               | 41.42           |
| 0.818                                                          | 15.18      | 50.06               | 0.66           | 6.27           | 13.11                       | 2.23              | 41.42           |
| 0.827                                                          | 15.18      | 50.07               | 0.66           | 6.4            | 11.49                       | 2.23              | 41.42           |
| 0.843                                                          | 15.19      | 50.07               | 0.61           | 6.51           | 12.68                       | 2.24              | 41.42           |
| 0.861                                                          | 15.19      | 50.07               | 0.61           | 6.61           | 11.82                       | 2.24              | 41.42           |
| 0.871                                                          | 15.19      | 50.07               | 0.63           | 6.55           | 12.95                       | 2.18              | 41.42           |
| 0.876                                                          | 15.19      | 50.07               | 0.63           | 6.47           | 12.56                       | 2.18              | 41.42           |
| 0.886                                                          | 15.19      | 50.07               | 0.63           | 6.4            | 12.93                       | 2.18              | 41.42           |
| 0.898                                                          | 15.19      | 50.07               | 0.63           | 6.32           | 12.41                       | 2.18              | 41.42           |
| 0.908                                                          | 15.19      | 50.07               | 0.66           | 6.26           | 12.34                       | 2.27              | 41.42           |
| 0.91                                                           | 15.19      | 50.07               | 0.66           | 6.27           | 12.92                       | 2.29              | 41.42           |
| 0.935                                                          | 15.19      | 50.07               | 0.66           | 6.32           | 11.71                       | 2.29              | 41.41           |
| 0.968                                                          | 15.19      | 50.07               | 0.66           | 6.36           | 11.54                       | 2.29              | 41.41           |
| 1.006                                                          | 15.18      | 50.07               | 0.66           | 6.28           | 12.4                        | 2.35              | 41.42           |
| 1.021                                                          | 15.18      | 50.06               | 0.66           | 6.19           | 12.09                       | 2.35              | 41.42           |
| 1.043                                                          | 15.19      | 50.07               | 0.63           | 6.24           | 12.17                       | 2.35              | 41.41           |
| 1.05                                                           | 15.19      | 50.07               | 0.61           | 6.28           | 11.95                       | 2.26              | 41.42           |
| 1.063                                                          | 15.19      | 50.07               | 0.61           | 6.31           | 11.1                        | 2.26              | 41.41           |
| 1.069                                                          | 15.19      | 50.07               | 0.61           | 6.27           | 11.72                       | 2.26              | 41.42           |
| 1.071                                                          | 15.19      | 50.07               | 0.63           | 6.21           | 11.92                       | 2.3               | 41.42           |
| 1.079                                                          | 15.19      | 50.07               | 0.63           | 6.14           | 11.65                       | 2.3               | 41.42           |
| 1.095                                                          | 15.19      | 50.07               | 0.63           | 6.06           | 11.27                       | 2.3               | 41.42           |
| 1.102                                                          | 15.19      | 50.07               | 0.63           | 5.94           | 11.6                        | 2.3               | 41.42           |
| 1.115                                                          | 15.19      | 50.08               | 0.63           | 5.9            | 11.76                       | 2.36              | 41.42           |
| 1.147                                                          | 15.19      | 50.07               | 0.63           | 5.88           | 11.1                        | 2.36              | 41.42           |
| 1.174                                                          | 15.19      | 50.07               | 0.63           | 5.88           | 10.65                       | 2.36              | 41.42           |
| 1.182                                                          | 15.19      | 50.08               | 0.68           | 5.91           | 11.38                       | 2.35              | 41.42           |
| 1.187                                                          | 15.19      | 50.08               | 0.68           | 5.94           | 10.74                       | 2.35              | 41.42           |
| 1.195                                                          | 15.19      | 50.08               | 0.61           | 6.28           | 10.48                       | 2.29              | 41.42           |
| 1.196                                                          | 15.19      | 50.08               | 0.61           | 6.36           | 11.38                       | 2.29              | 41.42           |
| 1.201                                                          | 15.19      | 50.08               | 0.61           | 6.42           | 11.58                       | 2.29              | 41.42           |
| 1.211                                                          | 15.19      | 50.08               | 0.63           | 6.44           | 10.14                       | 2.34              | 41.42           |
| 1.223                                                          | 15.19      | 50.08               | 0.63           | 6.45           | 10.08                       | 2.34              | 41.42           |

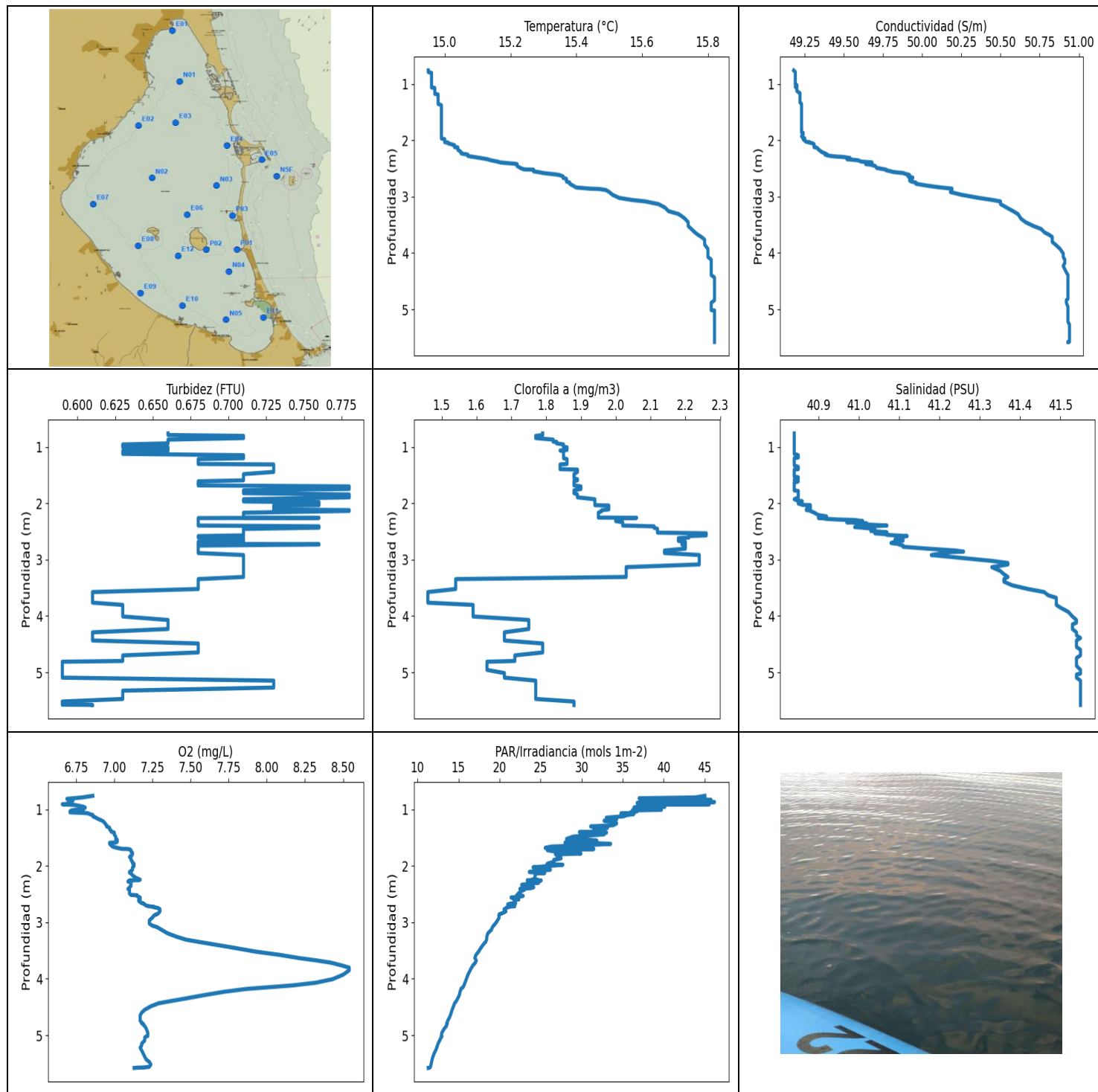
|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.23  | 15.19 | 50.08 | 0.63 | 6.44 | 11.38 | 2.34 | 41.42 |
| 1.246 | 15.2  | 50.08 | 0.63 | 6.42 | 11.54 | 2.34 | 41.42 |
| 1.268 | 15.2  | 50.08 | 0.61 | 6.38 | 10.25 | 2.3  | 41.42 |
| 1.282 | 15.2  | 50.08 | 0.61 | 6.35 | 10.08 | 2.3  | 41.42 |
| 1.297 | 15.2  | 50.08 | 0.61 | 6.32 | 10.8  | 2.3  | 41.42 |
| 1.311 | 15.2  | 50.08 | 0.61 | 6.31 | 10.81 | 2.3  | 41.42 |
| 1.32  | 15.2  | 50.08 | 0.61 | 6.31 | 10.27 | 2.3  | 41.42 |
| 1.332 | 15.2  | 50.08 | 0.66 | 6.32 | 10.05 | 2.32 | 41.42 |
| 1.343 | 15.2  | 50.08 | 0.66 | 6.33 | 10.26 | 2.32 | 41.42 |
| 1.36  | 15.2  | 50.08 | 0.66 | 6.34 | 10.58 | 2.32 | 41.42 |
| 1.374 | 15.2  | 50.08 | 0.66 | 6.38 | 10.23 | 2.32 | 41.42 |
| 1.375 | 15.2  | 50.08 | 0.63 | 6.48 | 10.04 | 2.34 | 41.42 |
| 1.378 | 15.2  | 50.08 | 0.63 | 6.52 | 10.51 | 2.34 | 41.42 |
| 1.394 | 15.2  | 50.09 | 0.63 | 6.56 | 10.49 | 2.34 | 41.42 |
| 1.412 | 15.2  | 50.08 | 0.63 | 6.59 | 10.08 | 2.34 | 41.42 |
| 1.431 | 15.2  | 50.09 | 0.63 | 6.64 | 9.56  | 2.34 | 41.42 |
| 1.438 | 15.2  | 50.08 | 0.63 | 6.69 | 9.48  | 2.34 | 41.42 |
| 1.439 | 15.2  | 50.09 | 0.63 | 6.74 | 10.32 | 2.34 | 41.42 |
| 1.453 | 15.2  | 50.09 | 0.63 | 6.78 | 10.36 | 2.34 | 41.42 |
| 1.479 | 15.2  | 50.09 | 0.66 | 6.83 | 9.8   | 2.35 | 41.42 |
| 1.513 | 15.2  | 50.09 | 0.66 | 6.87 | 9.31  | 2.35 | 41.42 |
| 1.538 | 15.2  | 50.09 | 0.66 | 6.9  | 8.99  | 2.35 | 41.42 |
| 1.553 | 15.2  | 50.09 | 0.66 | 6.92 | 9.34  | 2.35 | 41.42 |
| 1.58  | 15.2  | 50.09 | 0.71 | 6.94 | 9.68  | 2.34 | 41.42 |
| 1.581 | 15.2  | 50.09 | 0.71 | 6.96 | 9.58  | 2.34 | 41.42 |
| 1.59  | 15.2  | 50.09 | 0.63 | 6.93 | 9.26  | 2.32 | 41.42 |
| 1.599 | 15.2  | 50.09 | 0.63 | 6.75 | 9.67  | 2.37 | 41.42 |
| 1.615 | 15.2  | 50.09 | 0.63 | 6.76 | 9.17  | 2.37 | 41.42 |
| 1.633 | 15.2  | 50.09 | 0.63 | 6.84 | 9.35  | 2.42 | 41.42 |
| 1.639 | 15.2  | 50.09 | 0.63 | 6.85 | 9.27  | 2.42 | 41.42 |
| 1.646 | 15.2  | 50.09 | 0.63 | 6.85 | 9.2   | 2.42 | 41.42 |
| 1.651 | 15.2  | 50.09 | 0.61 | 6.85 | 9.19  | 2.34 | 41.42 |
| 1.655 | 15.2  | 50.09 | 0.61 | 6.85 | 9.17  | 2.34 | 41.42 |
| 1.66  | 15.2  | 50.09 | 0.61 | 6.83 | 9.33  | 2.37 | 41.42 |
| 1.676 | 15.2  | 50.09 | 0.61 | 6.82 | 9.06  | 2.37 | 41.42 |
| 1.684 | 15.2  | 50.09 | 0.61 | 6.8  | 9.04  | 2.35 | 41.42 |
| 1.685 | 15.2  | 50.09 | 0.61 | 6.77 | 9.52  | 2.35 | 41.42 |
| 1.692 | 15.2  | 50.09 | 0.61 | 6.73 | 9.35  | 2.35 | 41.42 |
| 1.699 | 15.2  | 50.09 | 0.61 | 6.71 | 8.55  | 2.35 | 41.42 |
| 1.703 | 15.2  | 50.08 | 0.66 | 6.72 | 8.58  | 2.38 | 41.42 |
| 1.707 | 15.2  | 50.08 | 0.66 | 6.75 | 9.12  | 2.38 | 41.42 |
| 1.712 | 15.2  | 50.08 | 0.66 | 6.79 | 9.3   | 2.38 | 41.42 |
| 1.718 | 15.2  | 50.08 | 0.66 | 6.85 | 9.22  | 2.38 | 41.42 |
| 1.721 | 15.2  | 50.08 | 0.68 | 6.91 | 9.01  | 2.37 | 41.42 |
| 1.725 | 15.2  | 50.08 | 0.68 | 6.94 | 8.81  | 2.37 | 41.42 |
| 1.729 | 15.2  | 50.08 | 0.68 | 6.97 | 8.8   | 2.37 | 41.42 |
| 1.736 | 15.2  | 50.09 | 0.68 | 6.97 | 9.03  | 2.37 | 41.42 |
| 1.738 | 15.2  | 50.09 | 0.68 | 6.97 | 9.1   | 2.37 | 41.42 |
| 1.742 | 15.2  | 50.09 | 0.66 | 6.96 | 9.04  | 2.4  | 41.42 |
| 1.748 | 15.2  | 50.09 | 0.66 | 6.95 | 8.85  | 2.4  | 41.42 |
| 1.755 | 15.2  | 50.09 | 0.66 | 6.94 | 8.65  | 2.4  | 41.42 |
| 1.76  | 15.2  | 50.09 | 0.66 | 6.93 | 8.78  | 2.4  | 41.42 |
| 1.763 | 15.2  | 50.09 | 0.68 | 6.92 | 8.91  | 2.38 | 41.42 |
| 1.765 | 15.2  | 50.09 | 0.68 | 6.92 | 8.83  | 2.38 | 41.42 |
| 1.771 | 15.2  | 50.09 | 0.68 | 6.93 | 9.06  | 2.38 | 41.42 |
| 1.775 | 15.2  | 50.09 | 0.71 | 6.93 | 8.86  | 2.4  | 41.42 |
| 1.781 | 15.2  | 50.09 | 0.71 | 6.93 | 8.65  | 2.4  | 41.42 |
| 1.792 | 15.2  | 50.09 | 0.71 | 6.92 | 8.63  | 2.4  | 41.42 |

|       |       |       |      |      |      |      |       |
|-------|-------|-------|------|------|------|------|-------|
| 1.796 | 15.2  | 50.09 | 0.76 | 6.93 | 8.73 | 2.41 | 41.42 |
| 1.799 | 15.2  | 50.09 | 0.76 | 6.94 | 8.6  | 2.41 | 41.42 |
| 1.813 | 15.2  | 50.09 | 0.66 | 6.99 | 8.79 | 2.38 | 41.42 |
| 1.827 | 15.2  | 50.09 | 0.66 | 6.98 | 8.69 | 2.38 | 41.42 |
| 1.845 | 15.2  | 50.09 | 0.66 | 6.97 | 8.63 | 2.35 | 41.42 |
| 1.852 | 15.2  | 50.09 | 0.66 | 6.97 | 8.6  | 2.37 | 41.42 |
| 1.864 | 15.2  | 50.09 | 0.66 | 6.97 | 8.65 | 2.37 | 41.42 |
| 1.865 | 15.2  | 50.09 | 0.66 | 6.94 | 8.69 | 2.37 | 41.43 |
| 1.866 | 15.2  | 50.09 | 0.73 | 6.93 | 8.55 | 2.4  | 41.43 |
| 1.875 | 15.2  | 50.09 | 0.73 | 6.92 | 8.56 | 2.4  | 41.42 |
| 1.884 | 15.2  | 50.09 | 0.73 | 6.92 | 8.48 | 2.4  | 41.42 |
| 1.895 | 15.2  | 50.09 | 0.73 | 6.93 | 8.32 | 2.4  | 41.42 |
| 1.905 | 15.2  | 50.09 | 0.73 | 6.95 | 8.61 | 2.4  | 41.42 |
| 1.907 | 15.2  | 50.09 | 0.66 | 6.98 | 8.66 | 2.36 | 41.42 |
| 1.913 | 15.2  | 50.09 | 0.66 | 7.01 | 8.79 | 2.36 | 41.42 |
| 1.921 | 15.2  | 50.09 | 0.66 | 7.01 | 8.28 | 2.36 | 41.42 |
| 1.925 | 15.2  | 50.09 | 0.66 | 7.0  | 8.08 | 2.36 | 41.42 |
| 1.927 | 15.2  | 50.09 | 0.66 | 7.0  | 8.38 | 2.4  | 41.42 |
| 1.933 | 15.2  | 50.09 | 0.66 | 7.01 | 8.72 | 2.4  | 41.42 |
| 1.948 | 15.2  | 50.09 | 0.66 | 7.0  | 8.59 | 2.4  | 41.42 |
| 1.966 | 15.2  | 50.09 | 0.66 | 7.01 | 8.39 | 2.4  | 41.42 |
| 1.984 | 15.2  | 50.09 | 0.66 | 7.01 | 8.21 | 2.4  | 41.42 |
| 1.99  | 15.2  | 50.09 | 0.63 | 7.06 | 8.6  | 2.44 | 41.42 |
| 1.994 | 15.2  | 50.09 | 0.63 | 7.07 | 8.43 | 2.44 | 41.42 |
| 2.016 | 15.2  | 50.09 | 0.63 | 7.08 | 8.19 | 2.44 | 41.42 |
| 2.027 | 15.2  | 50.09 | 0.66 | 7.1  | 8.56 | 2.41 | 41.43 |
| 2.036 | 15.2  | 50.09 | 0.66 | 7.1  | 8.58 | 2.41 | 41.42 |
| 2.054 | 15.2  | 50.09 | 0.66 | 7.1  | 8.4  | 2.41 | 41.42 |
| 2.084 | 15.2  | 50.09 | 0.63 | 7.09 | 7.84 | 2.35 | 41.42 |
| 2.113 | 15.2  | 50.09 | 0.63 | 7.08 | 7.73 | 2.35 | 41.43 |
| 2.121 | 15.2  | 50.09 | 0.63 | 7.08 | 8.08 | 2.35 | 41.43 |
| 2.132 | 15.2  | 50.1  | 0.63 | 7.08 | 8.45 | 2.35 | 41.43 |
| 2.146 | 15.2  | 50.09 | 0.66 | 7.08 | 8.36 | 2.38 | 41.42 |
| 2.164 | 15.2  | 50.09 | 0.66 | 7.08 | 8.07 | 2.38 | 41.42 |
| 2.2   | 15.2  | 50.09 | 0.66 | 7.08 | 7.84 | 2.38 | 41.42 |
| 2.257 | 15.2  | 50.09 | 0.66 | 7.07 | 7.72 | 2.38 | 41.42 |
| 2.311 | 15.2  | 50.09 | 0.71 | 7.08 | 7.93 | 2.47 | 41.42 |
| 2.339 | 15.2  | 50.09 | 0.71 | 7.1  | 7.84 | 2.47 | 41.42 |
| 2.358 | 15.2  | 50.1  | 0.71 | 7.12 | 7.82 | 2.47 | 41.42 |
| 2.373 | 15.2  | 50.09 | 0.71 | 7.15 | 7.71 | 2.47 | 41.42 |
| 2.388 | 15.2  | 50.09 | 0.71 | 7.17 | 7.6  | 2.47 | 41.42 |
| 2.426 | 15.2  | 50.09 | 0.73 | 7.2  | 7.67 | 2.44 | 41.42 |
| 2.458 | 15.2  | 50.09 | 0.73 | 7.21 | 7.59 | 2.44 | 41.42 |
| 2.469 | 15.2  | 50.1  | 0.73 | 7.22 | 7.57 | 2.44 | 41.43 |
| 2.476 | 15.2  | 50.1  | 0.73 | 7.22 | 7.55 | 2.44 | 41.43 |
| 2.494 | 15.2  | 50.1  | 0.63 | 7.21 | 7.47 | 2.37 | 41.42 |
| 2.543 | 15.2  | 50.1  | 0.63 | 7.2  | 7.49 | 2.37 | 41.42 |
| 2.606 | 15.2  | 50.1  | 0.63 | 7.18 | 7.43 | 2.37 | 41.43 |
| 2.659 | 15.2  | 50.1  | 0.63 | 7.18 | 7.27 | 2.37 | 41.43 |
| 2.7   | 15.2  | 50.1  | 0.63 | 7.18 | 7.12 | 2.37 | 41.43 |
| 2.742 | 15.21 | 50.1  | 0.73 | 7.19 | 7.19 | 2.43 | 41.43 |
| 2.792 | 15.21 | 50.1  | 0.73 | 7.19 | 7.24 | 2.43 | 41.43 |
| 2.845 | 15.21 | 50.1  | 0.73 | 7.2  | 7.2  | 2.43 | 41.43 |
| 2.912 | 15.21 | 50.11 | 0.73 | 7.21 | 7.07 | 2.43 | 41.43 |
| 2.975 | 15.21 | 50.11 | 0.73 | 7.22 | 6.83 | 2.42 | 41.43 |
| 3.026 | 15.21 | 50.1  | 0.73 | 7.23 | 6.72 | 2.42 | 41.42 |
| 3.078 | 15.21 | 50.09 | 0.73 | 7.24 | 6.7  | 2.42 | 41.42 |
| 3.133 | 15.2  | 50.09 | 0.73 | 7.26 | 6.79 | 2.42 | 41.42 |



|       |       |       |      |      |      |      |       |
|-------|-------|-------|------|------|------|------|-------|
| 3.19  | 15.2  | 50.1  | 0.76 | 7.26 | 6.79 | 2.42 | 41.43 |
| 3.255 | 15.2  | 50.1  | 0.76 | 7.28 | 6.67 | 2.42 | 41.43 |
| 3.322 | 15.2  | 50.1  | 0.76 | 7.27 | 6.54 | 2.42 | 41.43 |
| 3.387 | 15.2  | 50.1  | 0.76 | 7.28 | 6.42 | 2.42 | 41.43 |
| 3.443 | 15.2  | 50.1  | 0.76 | 7.27 | 6.42 | 2.42 | 41.43 |
| 3.49  | 15.21 | 50.1  | 0.66 | 7.28 | 6.35 | 2.44 | 41.43 |
| 3.539 | 15.21 | 50.11 | 0.66 | 7.27 | 6.31 | 2.44 | 41.43 |
| 3.592 | 15.21 | 50.1  | 0.66 | 7.27 | 6.27 | 2.44 | 41.43 |
| 3.65  | 15.21 | 50.1  | 0.66 | 7.28 | 6.17 | 2.44 | 41.43 |
| 3.711 | 15.21 | 50.11 | 0.68 | 7.29 | 6.08 | 2.49 | 41.43 |
| 3.765 | 15.21 | 50.11 | 0.68 | 7.3  | 6.03 | 2.49 | 41.43 |
| 3.819 | 15.21 | 50.1  | 0.68 | 7.31 | 5.94 | 2.49 | 41.42 |
| 3.882 | 15.21 | 50.1  | 0.68 | 7.3  | 5.85 | 2.49 | 41.42 |
| 3.947 | 15.21 | 50.1  | 0.68 | 7.28 | 5.79 | 2.49 | 41.42 |
| 3.999 | 15.21 | 50.1  | 0.78 | 7.26 | 5.79 | 2.57 | 41.42 |
| 4.038 | 15.21 | 50.11 | 0.78 | 7.26 | 5.77 | 2.57 | 41.42 |
| 4.084 | 15.21 | 50.1  | 0.78 | 7.24 | 5.65 | 2.57 | 41.42 |
| 4.137 | 15.21 | 50.1  | 0.78 | 7.24 | 5.57 | 2.57 | 41.42 |
| 4.182 | 15.21 | 50.1  | 0.76 | 7.23 | 5.51 | 2.58 | 41.42 |
| 4.236 | 15.21 | 50.1  | 0.76 | 7.23 | 5.46 | 2.58 | 41.42 |
| 4.306 | 15.21 | 50.1  | 0.76 | 7.23 | 5.42 | 2.58 | 41.42 |
| 4.377 | 15.21 | 50.1  | 0.76 | 7.23 | 5.32 | 2.58 | 41.42 |
| 4.451 | 15.21 | 50.1  | 0.71 | 7.23 | 5.15 | 2.59 | 41.42 |
| 4.526 | 15.21 | 50.1  | 0.71 | 7.22 | 5.08 | 2.59 | 41.42 |
| 4.592 | 15.21 | 50.1  | 0.71 | 7.21 | 5.0  | 2.59 | 41.43 |
| 4.66  | 15.21 | 50.1  | 0.71 | 7.2  | 4.93 | 2.59 | 41.42 |
| 4.719 | 15.21 | 50.1  | 0.71 | 7.21 | 4.86 | 2.59 | 41.42 |
| 4.782 | 15.21 | 50.1  | 0.76 | 7.23 | 4.79 | 2.7  | 41.42 |
| 4.856 | 15.21 | 50.1  | 0.76 | 7.25 | 4.7  | 2.7  | 41.42 |
| 4.932 | 15.21 | 50.09 | 0.76 | 7.26 | 4.61 | 2.7  | 41.42 |
| 5.01  | 15.2  | 50.09 | 0.76 | 7.27 | 4.54 | 2.7  | 41.42 |
| 5.086 | 15.2  | 50.09 | 0.76 | 7.27 | 4.47 | 2.71 | 41.42 |
| 5.156 | 15.2  | 50.09 | 0.76 | 7.28 | 4.42 | 2.71 | 41.42 |
| 5.225 | 15.2  | 50.1  | 0.76 | 7.28 | 4.33 | 2.71 | 41.42 |
| 5.303 | 15.2  | 50.1  | 0.76 | 7.29 | 4.29 | 2.71 | 41.43 |
| 5.386 | 15.21 | 50.1  | 0.76 | 7.3  | 4.16 | 2.71 | 41.43 |
| 5.461 | 15.21 | 50.2  | 0.68 | 7.3  | 4.12 | 2.61 | 41.52 |
| 5.509 | 15.24 | 50.64 | 0.68 | 7.3  | 4.06 | 2.61 | 41.89 |
| 5.532 | 15.37 | 50.64 | 0.68 | 7.3  | 4.03 | 2.61 | 41.76 |
| 5.564 | 15.46 | 50.65 | 0.68 | 7.3  | 4.02 | 2.61 | 41.67 |
| 5.607 | 15.5  | 50.55 | 0.66 | 7.31 | 3.97 | 2.53 | 41.53 |
| 5.654 | 15.5  | 50.65 | 0.66 | 7.32 | 3.88 | 2.53 | 41.62 |
| 5.707 | 15.51 | 50.74 | 0.66 | 7.33 | 3.86 | 2.53 | 41.7  |
| 5.761 | 15.55 | 50.78 | 0.66 | 7.34 | 3.81 | 2.53 | 41.69 |
| 5.805 | 15.59 | 50.79 | 0.54 | 7.34 | 3.74 | 1.28 | 41.66 |
| 5.834 | 15.61 | 50.8  | 0.54 | 7.36 | 3.74 | 1.28 | 41.64 |
| 5.858 | 15.63 | 50.8  | 0.54 | 7.38 | 3.72 | 1.28 | 41.63 |
| 5.889 | 15.63 | 50.79 | 0.54 | 7.39 | 3.67 | 1.28 | 41.61 |
| 5.934 | 15.64 | 50.8  | 0.54 | 7.4  | 3.61 | 1.28 | 41.62 |
| 5.983 | 15.64 | 50.81 | 0.46 | 7.41 | 3.54 | 0.97 | 41.63 |
| 6.027 | 15.64 | 50.81 | 0.46 | 7.42 | 3.55 | 0.97 | 41.63 |
| 6.065 | 15.64 | 50.82 | 0.46 | 7.43 | 3.56 | 0.97 | 41.63 |
| 6.098 | 15.65 | 50.82 | 0.46 | 7.43 | 3.46 | 0.97 | 41.62 |
| 6.135 | 15.65 | 50.82 | 0.49 | 7.44 | 3.48 | 1.04 | 41.62 |
| 6.161 | 15.65 | 50.82 | 0.49 | 7.44 | 3.5  | 1.04 | 41.62 |
| 6.168 | 15.65 | 50.82 | 0.49 | 7.44 | 3.49 | 1.04 | 41.62 |
| 6.17  | 15.65 | 50.82 | 0.49 | 7.44 | 3.46 | 1.04 | 41.62 |
| 6.173 | 15.65 | 50.81 | 0.56 | 7.42 | 3.47 | 1.19 | 41.61 |

|       |       |       |      |      |      |      |       |
|-------|-------|-------|------|------|------|------|-------|
| 6.174 | 15.65 | 50.78 | 0.56 | 7.41 | 3.45 | 1.19 | 41.59 |
|-------|-------|-------|------|------|------|------|-------|



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 14.95         | 49.18                  | 0.59              | 6.66              | 11.3                           | 1.46                              | 40.84              |
| <b>PROF (metros)</b> | 0.761         | 0.761                  | 4.811             | 0.91              | 5.578                          | 3.575                             | 0.761              |
| <b>MÁXIMO</b>        | 15.82         | 15.82                  | 0.78              | 8.54              | 46.2                           | 2.26                              | 41.55              |
| <b>PROF (metros)</b> | 4.434         | 5.269                  | 1.7               | 3.803             | 0.871                          | 2.533                             | 4.39               |

| 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                                                     | 14.96      | 49.19               | 0.67           | 6.74           | 40.69                       | 1.81              | 40.84           |
| 1 - 2m                                                     | 14.98      | 49.22               | 0.71           | 6.98           | 31.22                       | 1.88              | 40.84           |
| 2 - 3m                                                     | 15.22      | 49.69               | 0.71           | 7.16           | 22.77                       | 2.1               | 41.03           |
| 3 - 4m                                                     | 15.72      | 50.67               | 0.67           | 7.86           | 17.79                       | 1.74              | 41.42           |
| 4 - 5m                                                     | 15.81      | 50.92               | 0.64           | 7.47           | 14.39                       | 1.71              | 41.54           |
| 5 - 6m                                                     | 15.82      | 50.94               | 0.63           | 7.19           | 12.06                       | 1.78              | 41.55           |

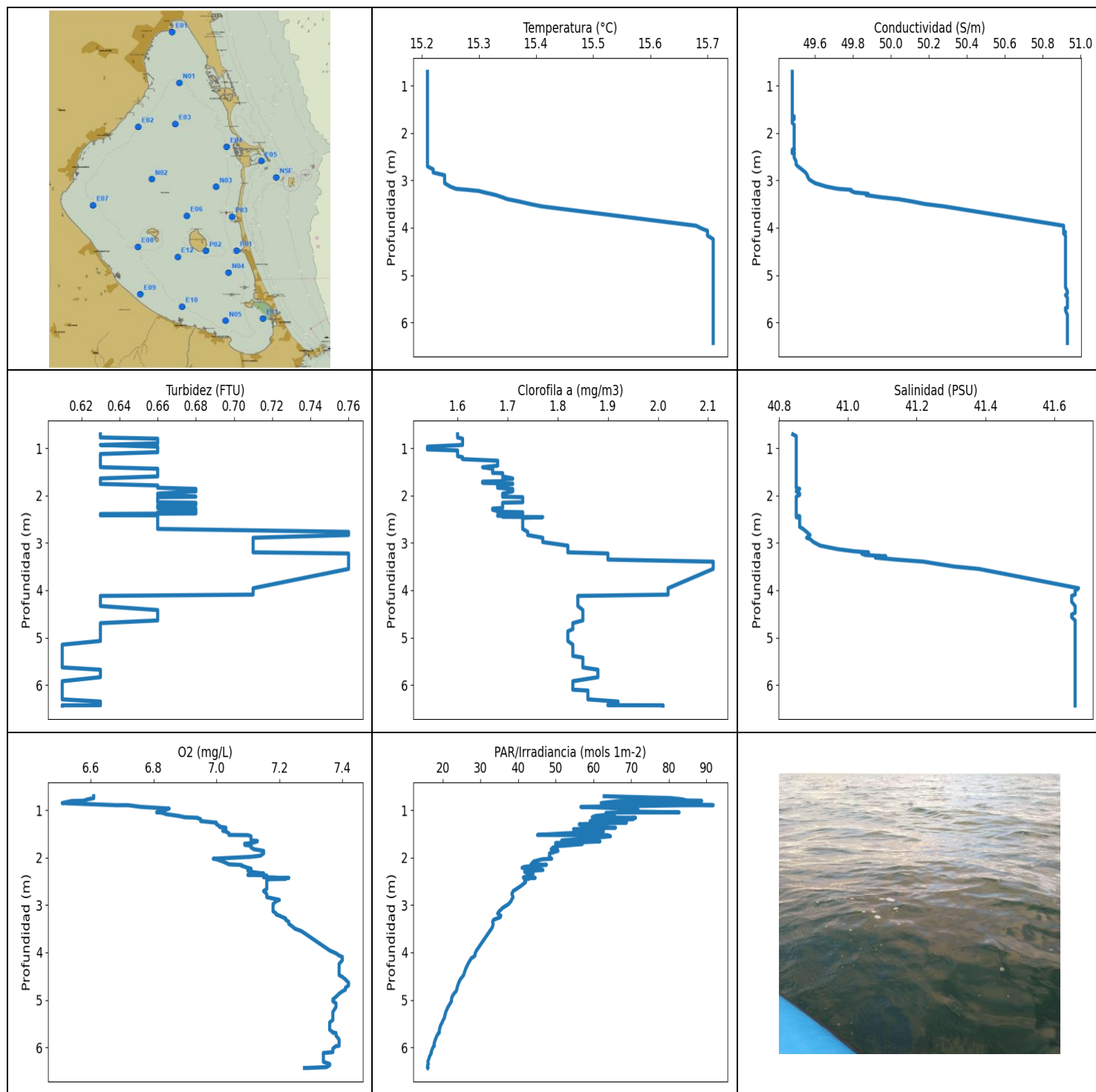
| OBSERVACIONES GENERALES                                                                  |
|------------------------------------------------------------------------------------------|
| CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m con los valores 2.1 respectivamente |

| 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) |
| 0.761                                                          | 14.95      | 49.18               | 0.66           | 6.86           | 45.03                       | 1.79              | 40.84           |
| 0.79                                                           | 14.95      | 49.19               | 0.66           | 6.79           | 43.88                       | 1.79              | 40.84           |
| 0.805                                                          | 14.96      | 49.19               | 0.71           | 6.73           | 37.0                        | 1.77              | 40.84           |
| 0.815                                                          | 14.96      | 49.19               | 0.71           | 6.69           | 42.4                        | 1.77              | 40.84           |
| 0.828                                                          | 14.96      | 49.19               | 0.71           | 6.7            | 40.95                       | 1.77              | 40.84           |
| 0.831                                                          | 14.96      | 49.19               | 0.71           | 6.72           | 45.77                       | 1.77              | 40.84           |
| 0.844                                                          | 14.96      | 49.19               | 0.71           | 6.73           | 40.2                        | 1.77              | 40.84           |
| 0.871                                                          | 14.96      | 49.19               | 0.66           | 6.72           | 46.2                        | 1.82              | 40.84           |
| 0.887                                                          | 14.96      | 49.19               | 0.66           | 6.71           | 36.77                       | 1.82              | 40.84           |
| 0.9                                                            | 14.96      | 49.19               | 0.66           | 6.69           | 38.05                       | 1.82              | 40.84           |
| 0.908                                                          | 14.96      | 49.19               | 0.66           | 6.68           | 39.02                       | 1.82              | 40.84           |
| 0.91                                                           | 14.96      | 49.19               | 0.66           | 6.66           | 45.57                       | 1.83              | 40.84           |
| 0.912                                                          | 14.96      | 49.19               | 0.66           | 6.67           | 41.02                       | 1.83              | 40.84           |
| 0.917                                                          | 14.96      | 49.19               | 0.66           | 6.7            | 36.85                       | 1.83              | 40.84           |
| 0.923                                                          | 14.96      | 49.19               | 0.66           | 6.74           | 39.25                       | 1.83              | 40.84           |
| 0.938                                                          | 14.96      | 49.19               | 0.66           | 6.77           | 40.04                       | 1.83              | 40.84           |
| 0.957                                                          | 14.96      | 49.19               | 0.63           | 6.8            | 40.14                       | 1.85              | 40.84           |
| 0.969                                                          | 14.96      | 49.19               | 0.63           | 6.81           | 36.38                       | 1.85              | 40.84           |
| 0.992                                                          | 14.96      | 49.19               | 0.63           | 6.8            | 38.68                       | 1.85              | 40.84           |
| 1.005                                                          | 14.96      | 49.19               | 0.63           | 6.79           | 38.4                        | 1.85              | 40.84           |
| 1.006                                                          | 14.96      | 49.19               | 0.66           | 6.77           | 37.27                       | 1.86              | 40.84           |
| 1.008                                                          | 14.96      | 49.19               | 0.66           | 6.75           | 39.72                       | 1.86              | 40.84           |
| 1.02                                                           | 14.96      | 49.2                | 0.66           | 6.72           | 36.18                       | 1.86              | 40.84           |
| 1.036                                                          | 14.96      | 49.2                | 0.66           | 6.71           | 36.77                       | 1.86              | 40.84           |
| 1.054                                                          | 14.96      | 49.19               | 0.66           | 6.71           | 35.97                       | 1.86              | 40.84           |
| 1.065                                                          | 14.96      | 49.2                | 0.66           | 6.81           | 36.41                       | 1.84              | 40.84           |
| 1.072                                                          | 14.97      | 49.2                | 0.63           | 6.83           | 34.79                       | 1.85              | 40.84           |
| 1.085                                                          | 14.97      | 49.2                | 0.63           | 6.84           | 36.34                       | 1.85              | 40.84           |
| 1.101                                                          | 14.97      | 49.2                | 0.63           | 6.86           | 35.53                       | 1.85              | 40.84           |
| 1.124                                                          | 14.97      | 49.2                | 0.63           | 6.86           | 35.1                        | 1.85              | 40.84           |
| 1.148                                                          | 14.97      | 49.21               | 0.71           | 6.88           | 33.01                       | 1.85              | 40.85           |
| 1.164                                                          | 14.97      | 49.22               | 0.71           | 6.89           | 34.25                       | 1.85              | 40.85           |
| 1.177                                                          | 14.97      | 49.22               | 0.71           | 6.9            | 34.27                       | 1.85              | 40.85           |
| 1.188                                                          | 14.98      | 49.22               | 0.71           | 6.91           | 34.11                       | 1.85              | 40.85           |
| 1.201                                                          | 14.98      | 49.22               | 0.71           | 6.92           | 32.74                       | 1.85              | 40.84           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.217 | 14.98 | 49.22 | 0.68 | 6.93 | 33.6  | 1.86 | 40.84 |
| 1.249 | 14.98 | 49.22 | 0.68 | 6.94 | 34.27 | 1.86 | 40.84 |
| 1.282 | 14.98 | 49.22 | 0.68 | 6.95 | 33.84 | 1.86 | 40.84 |
| 1.303 | 14.98 | 49.22 | 0.68 | 6.95 | 31.1  | 1.86 | 40.84 |
| 1.312 | 14.98 | 49.22 | 0.73 | 6.96 | 32.74 | 1.84 | 40.84 |
| 1.328 | 14.98 | 49.22 | 0.73 | 6.97 | 33.16 | 1.84 | 40.84 |
| 1.355 | 14.98 | 49.23 | 0.73 | 6.97 | 31.48 | 1.84 | 40.85 |
| 1.379 | 14.99 | 49.23 | 0.73 | 6.98 | 32.8  | 1.84 | 40.85 |
| 1.395 | 14.99 | 49.23 | 0.73 | 6.98 | 32.71 | 1.84 | 40.85 |
| 1.403 | 14.99 | 49.23 | 0.73 | 6.99 | 29.73 | 1.89 | 40.84 |
| 1.411 | 14.99 | 49.23 | 0.73 | 7.0  | 33.04 | 1.89 | 40.84 |
| 1.423 | 14.99 | 49.23 | 0.73 | 7.0  | 32.09 | 1.89 | 40.84 |
| 1.444 | 14.99 | 49.23 | 0.73 | 7.0  | 32.73 | 1.89 | 40.84 |
| 1.483 | 14.99 | 49.23 | 0.71 | 7.01 | 28.98 | 1.88 | 40.84 |
| 1.525 | 14.99 | 49.23 | 0.71 | 7.01 | 28.16 | 1.88 | 40.84 |
| 1.54  | 14.99 | 49.23 | 0.71 | 7.02 | 30.87 | 1.88 | 40.85 |
| 1.554 | 14.99 | 49.23 | 0.71 | 7.02 | 31.85 | 1.88 | 40.85 |
| 1.574 | 14.99 | 49.23 | 0.71 | 7.02 | 29.78 | 1.89 | 40.85 |
| 1.587 | 14.99 | 49.23 | 0.71 | 7.01 | 29.19 | 1.89 | 40.84 |
| 1.59  | 14.99 | 49.23 | 0.71 | 6.98 | 27.97 | 1.89 | 40.84 |
| 1.593 | 14.99 | 49.23 | 0.71 | 6.97 | 30.56 | 1.89 | 40.84 |
| 1.611 | 14.99 | 49.23 | 0.68 | 6.97 | 33.54 | 1.88 | 40.85 |
| 1.637 | 14.99 | 49.23 | 0.68 | 6.98 | 30.35 | 1.88 | 40.84 |
| 1.66  | 14.99 | 49.23 | 0.68 | 6.99 | 26.26 | 1.88 | 40.84 |
| 1.683 | 14.99 | 49.23 | 0.68 | 7.02 | 25.56 | 1.88 | 40.84 |
| 1.7   | 14.99 | 49.23 | 0.78 | 7.05 | 29.05 | 1.9  | 40.84 |
| 1.701 | 14.99 | 49.23 | 0.78 | 7.08 | 31.49 | 1.9  | 40.84 |
| 1.707 | 14.99 | 49.23 | 0.78 | 7.1  | 31.37 | 1.9  | 40.84 |
| 1.723 | 14.99 | 49.23 | 0.78 | 7.11 | 25.82 | 1.9  | 40.84 |
| 1.746 | 14.99 | 49.23 | 0.78 | 7.11 | 26.73 | 1.9  | 40.84 |
| 1.771 | 14.99 | 49.23 | 0.71 | 7.12 | 29.41 | 1.88 | 40.84 |
| 1.783 | 14.99 | 49.23 | 0.71 | 7.12 | 29.91 | 1.88 | 40.85 |
| 1.797 | 14.99 | 49.23 | 0.71 | 7.12 | 26.81 | 1.88 | 40.85 |
| 1.821 | 14.99 | 49.23 | 0.71 | 7.11 | 27.42 | 1.88 | 40.85 |
| 1.844 | 14.99 | 49.23 | 0.78 | 7.1  | 27.03 | 1.89 | 40.85 |
| 1.854 | 14.99 | 49.23 | 0.78 | 7.11 | 27.45 | 1.89 | 40.85 |
| 1.856 | 14.99 | 49.23 | 0.78 | 7.11 | 27.18 | 1.89 | 40.85 |
| 1.868 | 14.99 | 49.24 | 0.78 | 7.11 | 27.5  | 1.89 | 40.85 |
| 1.895 | 14.99 | 49.24 | 0.78 | 7.11 | 26.61 | 1.89 | 40.85 |
| 1.929 | 14.99 | 49.23 | 0.71 | 7.12 | 26.63 | 1.94 | 40.84 |
| 1.956 | 14.99 | 49.24 | 0.71 | 7.12 | 25.95 | 1.94 | 40.85 |
| 1.965 | 14.99 | 49.25 | 0.71 | 7.13 | 26.03 | 1.94 | 40.86 |
| 1.968 | 14.99 | 49.25 | 0.71 | 7.13 | 25.78 | 1.94 | 40.85 |
| 1.981 | 15.0  | 49.24 | 0.76 | 7.13 | 27.71 | 1.94 | 40.85 |
| 2.004 | 15.0  | 49.25 | 0.76 | 7.13 | 25.98 | 1.94 | 40.85 |
| 2.028 | 15.0  | 49.26 | 0.76 | 7.12 | 24.08 | 1.94 | 40.86 |
| 2.034 | 15.0  | 49.28 | 0.76 | 7.12 | 24.99 | 1.94 | 40.88 |
| 2.04  | 15.01 | 49.28 | 0.73 | 7.12 | 25.89 | 1.98 | 40.87 |
| 2.054 | 15.01 | 49.3  | 0.73 | 7.12 | 26.12 | 1.98 | 40.88 |
| 2.07  | 15.02 | 49.31 | 0.73 | 7.12 | 26.19 | 1.98 | 40.88 |
| 2.089 | 15.03 | 49.31 | 0.73 | 7.11 | 24.82 | 1.98 | 40.88 |
| 2.109 | 15.03 | 49.31 | 0.73 | 7.1  | 23.62 | 1.98 | 40.87 |
| 2.122 | 15.03 | 49.31 | 0.78 | 7.1  | 24.53 | 1.96 | 40.87 |
| 2.126 | 15.04 | 49.32 | 0.78 | 7.11 | 25.5  | 1.96 | 40.88 |
| 2.136 | 15.04 | 49.33 | 0.78 | 7.11 | 24.34 | 1.96 | 40.88 |
| 2.168 | 15.04 | 49.34 | 0.71 | 7.12 | 24.36 | 1.95 | 40.89 |
| 2.21  | 15.05 | 49.36 | 0.71 | 7.14 | 24.26 | 1.95 | 40.9  |
| 2.233 | 15.05 | 49.38 | 0.71 | 7.16 | 24.37 | 1.95 | 40.92 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 2.245 | 15.06 | 49.39 | 0.71 | 7.17 | 23.96 | 1.95 | 40.92 |
| 2.254 | 15.07 | 49.38 | 0.71 | 7.16 | 24.74 | 1.95 | 40.9  |
| 2.257 | 15.07 | 49.39 | 0.76 | 7.12 | 23.37 | 2.06 | 40.91 |
| 2.258 | 15.07 | 49.39 | 0.76 | 7.1  | 25.07 | 2.06 | 40.9  |
| 2.263 | 15.07 | 49.39 | 0.68 | 7.1  | 24.01 | 2.0  | 40.91 |
| 2.277 | 15.07 | 49.41 | 0.68 | 7.09 | 23.44 | 2.0  | 40.92 |
| 2.289 | 15.08 | 49.45 | 0.68 | 7.1  | 23.86 | 2.0  | 40.95 |
| 2.297 | 15.09 | 49.5  | 0.68 | 7.11 | 24.77 | 2.0  | 40.99 |
| 2.317 | 15.11 | 49.54 | 0.68 | 7.11 | 23.75 | 2.0  | 41.01 |
| 2.336 | 15.13 | 49.52 | 0.68 | 7.11 | 22.69 | 2.02 | 40.97 |
| 2.355 | 15.14 | 49.59 | 0.68 | 7.11 | 23.22 | 2.02 | 41.02 |
| 2.378 | 15.16 | 49.61 | 0.68 | 7.1  | 24.16 | 2.02 | 41.02 |
| 2.395 | 15.17 | 49.68 | 0.68 | 7.1  | 23.84 | 2.02 | 41.07 |
| 2.409 | 15.2  | 49.66 | 0.76 | 7.09 | 22.47 | 2.11 | 41.03 |
| 2.415 | 15.21 | 49.65 | 0.76 | 7.1  | 22.64 | 2.11 | 41.01 |
| 2.423 | 15.22 | 49.64 | 0.76 | 7.1  | 23.02 | 2.11 | 40.99 |
| 2.433 | 15.22 | 49.67 | 0.76 | 7.1  | 22.85 | 2.11 | 41.01 |
| 2.455 | 15.22 | 49.7  | 0.71 | 7.1  | 22.62 | 2.12 | 41.04 |
| 2.491 | 15.23 | 49.71 | 0.71 | 7.1  | 22.27 | 2.12 | 41.03 |
| 2.515 | 15.24 | 49.76 | 0.71 | 7.11 | 22.49 | 2.12 | 41.07 |
| 2.519 | 15.25 | 49.77 | 0.71 | 7.13 | 22.09 | 2.12 | 41.07 |
| 2.521 | 15.27 | 49.77 | 0.71 | 7.15 | 22.22 | 2.12 | 41.05 |
| 2.533 | 15.27 | 49.77 | 0.71 | 7.15 | 22.87 | 2.26 | 41.04 |
| 2.55  | 15.27 | 49.8  | 0.71 | 7.16 | 22.2  | 2.26 | 41.07 |
| 2.561 | 15.28 | 49.81 | 0.71 | 7.17 | 21.4  | 2.26 | 41.07 |
| 2.57  | 15.29 | 49.84 | 0.71 | 7.17 | 21.77 | 2.26 | 41.09 |
| 2.582 | 15.3  | 49.88 | 0.68 | 7.17 | 22.24 | 2.21 | 41.12 |
| 2.595 | 15.32 | 49.89 | 0.68 | 7.17 | 22.34 | 2.21 | 41.11 |
| 2.602 | 15.33 | 49.9  | 0.68 | 7.16 | 21.93 | 2.21 | 41.1  |
| 2.608 | 15.34 | 49.91 | 0.68 | 7.16 | 21.76 | 2.21 | 41.11 |
| 2.619 | 15.35 | 49.92 | 0.71 | 7.16 | 21.81 | 2.18 | 41.1  |
| 2.643 | 15.36 | 49.91 | 0.71 | 7.17 | 21.75 | 2.18 | 41.09 |
| 2.659 | 15.36 | 49.92 | 0.71 | 7.18 | 21.94 | 2.18 | 41.09 |
| 2.663 | 15.36 | 49.94 | 0.71 | 7.19 | 21.96 | 2.18 | 41.11 |
| 2.668 | 15.36 | 49.93 | 0.71 | 7.19 | 21.34 | 2.18 | 41.1  |
| 2.684 | 15.37 | 49.93 | 0.68 | 7.2  | 20.98 | 2.2  | 41.09 |
| 2.705 | 15.37 | 49.92 | 0.68 | 7.21 | 21.4  | 2.2  | 41.08 |
| 2.715 | 15.37 | 49.92 | 0.68 | 7.23 | 21.85 | 2.2  | 41.09 |
| 2.721 | 15.37 | 49.93 | 0.68 | 7.24 | 21.31 | 2.2  | 41.1  |
| 2.725 | 15.37 | 49.93 | 0.76 | 7.26 | 21.19 | 2.19 | 41.1  |
| 2.732 | 15.37 | 49.93 | 0.76 | 7.26 | 21.02 | 2.19 | 41.1  |
| 2.75  | 15.38 | 49.96 | 0.68 | 7.29 | 20.75 | 2.2  | 41.11 |
| 2.772 | 15.38 | 49.96 | 0.68 | 7.3  | 20.54 | 2.2  | 41.11 |
| 2.805 | 15.39 | 50.03 | 0.68 | 7.3  | 20.77 | 2.2  | 41.17 |
| 2.838 | 15.4  | 50.12 | 0.68 | 7.29 | 20.35 | 2.14 | 41.24 |
| 2.858 | 15.44 | 50.19 | 0.68 | 7.28 | 19.95 | 2.14 | 41.26 |
| 2.865 | 15.47 | 50.19 | 0.68 | 7.27 | 19.93 | 2.14 | 41.23 |
| 2.883 | 15.49 | 50.19 | 0.68 | 7.26 | 19.9  | 2.14 | 41.21 |
| 2.918 | 15.5  | 50.18 | 0.71 | 7.25 | 19.94 | 2.24 | 41.18 |
| 2.967 | 15.51 | 50.25 | 0.71 | 7.23 | 19.74 | 2.24 | 41.25 |
| 3.022 | 15.53 | 50.36 | 0.71 | 7.23 | 19.49 | 2.24 | 41.33 |
| 3.06  | 15.57 | 50.45 | 0.71 | 7.25 | 19.26 | 2.24 | 41.37 |
| 3.085 | 15.61 | 50.5  | 0.71 | 7.28 | 19.13 | 2.24 | 41.37 |
| 3.133 | 15.65 | 50.5  | 0.71 | 7.31 | 19.0  | 2.03 | 41.33 |
| 3.196 | 15.67 | 50.54 | 0.71 | 7.35 | 18.56 | 2.03 | 41.35 |
| 3.257 | 15.68 | 50.58 | 0.71 | 7.41 | 18.44 | 2.03 | 41.36 |
| 3.307 | 15.71 | 50.61 | 0.71 | 7.47 | 18.42 | 2.03 | 41.37 |
| 3.345 | 15.72 | 50.62 | 0.68 | 7.55 | 18.3  | 1.54 | 41.36 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.39  | 15.73 | 50.63 | 0.68 | 7.65 | 18.03 | 1.54 | 41.36 |
| 3.454 | 15.74 | 50.66 | 0.68 | 7.79 | 17.71 | 1.54 | 41.38 |
| 3.521 | 15.74 | 50.71 | 0.68 | 7.93 | 17.43 | 1.54 | 41.42 |
| 3.575 | 15.75 | 50.76 | 0.61 | 8.08 | 17.12 | 1.46 | 41.46 |
| 3.633 | 15.76 | 50.78 | 0.61 | 8.21 | 16.98 | 1.46 | 41.47 |
| 3.677 | 15.77 | 50.81 | 0.61 | 8.33 | 17.16 | 1.46 | 41.49 |
| 3.715 | 15.78 | 50.83 | 0.61 | 8.42 | 17.05 | 1.46 | 41.49 |
| 3.763 | 15.79 | 50.83 | 0.61 | 8.49 | 16.74 | 1.46 | 41.49 |
| 3.803 | 15.79 | 50.83 | 0.63 | 8.54 | 16.58 | 1.59 | 41.49 |
| 3.85  | 15.79 | 50.85 | 0.63 | 8.54 | 16.41 | 1.59 | 41.5  |
| 3.928 | 15.8  | 50.88 | 0.63 | 8.5  | 16.14 | 1.59 | 41.52 |
| 4.008 | 15.8  | 50.9  | 0.63 | 8.43 | 15.94 | 1.59 | 41.53 |
| 4.07  | 15.8  | 50.9  | 0.66 | 8.32 | 15.78 | 1.75 | 41.54 |
| 4.117 | 15.81 | 50.91 | 0.66 | 8.17 | 15.65 | 1.75 | 41.54 |
| 4.148 | 15.81 | 50.91 | 0.66 | 8.02 | 15.55 | 1.75 | 41.53 |
| 4.179 | 15.81 | 50.91 | 0.66 | 7.87 | 15.29 | 1.75 | 41.53 |
| 4.23  | 15.81 | 50.9  | 0.66 | 7.72 | 15.18 | 1.75 | 41.53 |
| 4.289 | 15.81 | 50.91 | 0.61 | 7.59 | 15.09 | 1.68 | 41.54 |
| 4.343 | 15.81 | 50.92 | 0.61 | 7.48 | 14.91 | 1.68 | 41.54 |
| 4.39  | 15.81 | 50.93 | 0.61 | 7.38 | 14.74 | 1.68 | 41.55 |
| 4.434 | 15.82 | 50.93 | 0.61 | 7.29 | 14.51 | 1.68 | 41.54 |
| 4.487 | 15.82 | 50.93 | 0.68 | 7.24 | 14.38 | 1.79 | 41.54 |
| 4.548 | 15.82 | 50.93 | 0.68 | 7.2  | 14.21 | 1.79 | 41.54 |
| 4.599 | 15.82 | 50.93 | 0.68 | 7.18 | 14.1  | 1.79 | 41.55 |
| 4.646 | 15.82 | 50.93 | 0.68 | 7.17 | 14.0  | 1.79 | 41.55 |
| 4.698 | 15.82 | 50.93 | 0.63 | 7.17 | 13.84 | 1.71 | 41.55 |
| 4.744 | 15.82 | 50.93 | 0.63 | 7.17 | 13.67 | 1.71 | 41.54 |
| 4.772 | 15.82 | 50.93 | 0.63 | 7.18 | 13.62 | 1.71 | 41.54 |
| 4.787 | 15.82 | 50.93 | 0.63 | 7.18 | 13.55 | 1.71 | 41.54 |
| 4.797 | 15.82 | 50.93 | 0.63 | 7.19 | 13.62 | 1.71 | 41.54 |
| 4.811 | 15.82 | 50.93 | 0.59 | 7.19 | 13.55 | 1.63 | 41.54 |
| 4.838 | 15.82 | 50.92 | 0.59 | 7.2  | 13.51 | 1.63 | 41.54 |
| 4.882 | 15.81 | 50.92 | 0.59 | 7.21 | 13.25 | 1.63 | 41.54 |
| 4.956 | 15.81 | 50.93 | 0.59 | 7.22 | 12.96 | 1.63 | 41.55 |
| 5.012 | 15.81 | 50.93 | 0.59 | 7.22 | 12.89 | 1.68 | 41.55 |
| 5.02  | 15.82 | 50.93 | 0.59 | 7.21 | 12.97 | 1.68 | 41.55 |
| 5.038 | 15.82 | 50.93 | 0.59 | 7.2  | 12.86 | 1.68 | 41.54 |
| 5.093 | 15.82 | 50.93 | 0.59 | 7.2  | 12.69 | 1.68 | 41.54 |
| 5.146 | 15.82 | 50.93 | 0.73 | 7.18 | 12.5  | 1.77 | 41.55 |
| 5.182 | 15.82 | 50.93 | 0.73 | 7.18 | 12.42 | 1.77 | 41.55 |
| 5.219 | 15.82 | 50.93 | 0.73 | 7.17 | 12.34 | 1.77 | 41.55 |
| 5.269 | 15.82 | 50.94 | 0.73 | 7.18 | 12.2  | 1.77 | 41.55 |
| 5.324 | 15.82 | 50.94 | 0.63 | 7.19 | 12.01 | 1.77 | 41.55 |
| 5.38  | 15.82 | 50.94 | 0.63 | 7.2  | 11.87 | 1.77 | 41.55 |
| 5.43  | 15.82 | 50.94 | 0.63 | 7.21 | 11.77 | 1.77 | 41.55 |
| 5.471 | 15.82 | 50.94 | 0.63 | 7.23 | 11.71 | 1.77 | 41.55 |
| 5.517 | 15.82 | 50.94 | 0.59 | 7.24 | 11.64 | 1.88 | 41.55 |
| 5.558 | 15.82 | 50.94 | 0.59 | 7.23 | 11.58 | 1.88 | 41.55 |
| 5.571 | 15.82 | 50.94 | 0.59 | 7.19 | 11.5  | 1.88 | 41.55 |
| 5.572 | 15.82 | 50.94 | 0.59 | 7.16 | 11.43 | 1.88 | 41.55 |
| 5.576 | 15.82 | 50.93 | 0.61 | 7.14 | 11.38 | 1.88 | 41.55 |
| 5.578 | 15.82 | 50.93 | 0.61 | 7.13 | 11.3  | 1.88 | 41.55 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.21         | 49.48                  | 0.61              | 6.51              | 15.98                          | 1.54                              | 40.84              |
| <b>PROF (metros)</b> | 0.703         | 0.703                  | 5.15              | 0.848             | 6.418                          | 0.964                             | 0.703              |
| <b>MÁXIMO</b>        | 15.71         | 15.71                  | 0.76              | 7.42              | 91.78                          | 2.11                              | 41.67              |
| <b>PROF (metros)</b> | 4.241         | 5.341                  | 2.765             | 4.637             | 0.892                          | 3.395                             | 3.957              |



| 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                                                     | 15.21      | 49.48               | 0.65           | 6.66           | 75.28                       | 1.59              | 40.85           |
| 1 - 2m                                                     | 15.21      | 49.48               | 0.65           | 7.03           | 58.57                       | 1.66              | 40.85           |
| 2 - 3m                                                     | 15.21      | 49.5                | 0.67           | 7.14           | 42.64                       | 1.71              | 40.86           |
| 3 - 4m                                                     | 15.34      | 49.97               | 0.74           | 7.23           | 33.83                       | 1.94              | 41.16           |
| 4 - 5m                                                     | 15.71      | 50.92               | 0.65           | 7.4            | 25.36                       | 1.86              | 41.66           |
| 5 - 6m                                                     | 15.71      | 50.93               | 0.62           | 7.37           | 19.52                       | 1.84              | 41.66           |
| 6 - 7m                                                     | 15.71      | 50.93               | 0.62           | 7.33           | 16.36                       | 1.91              | 41.66           |

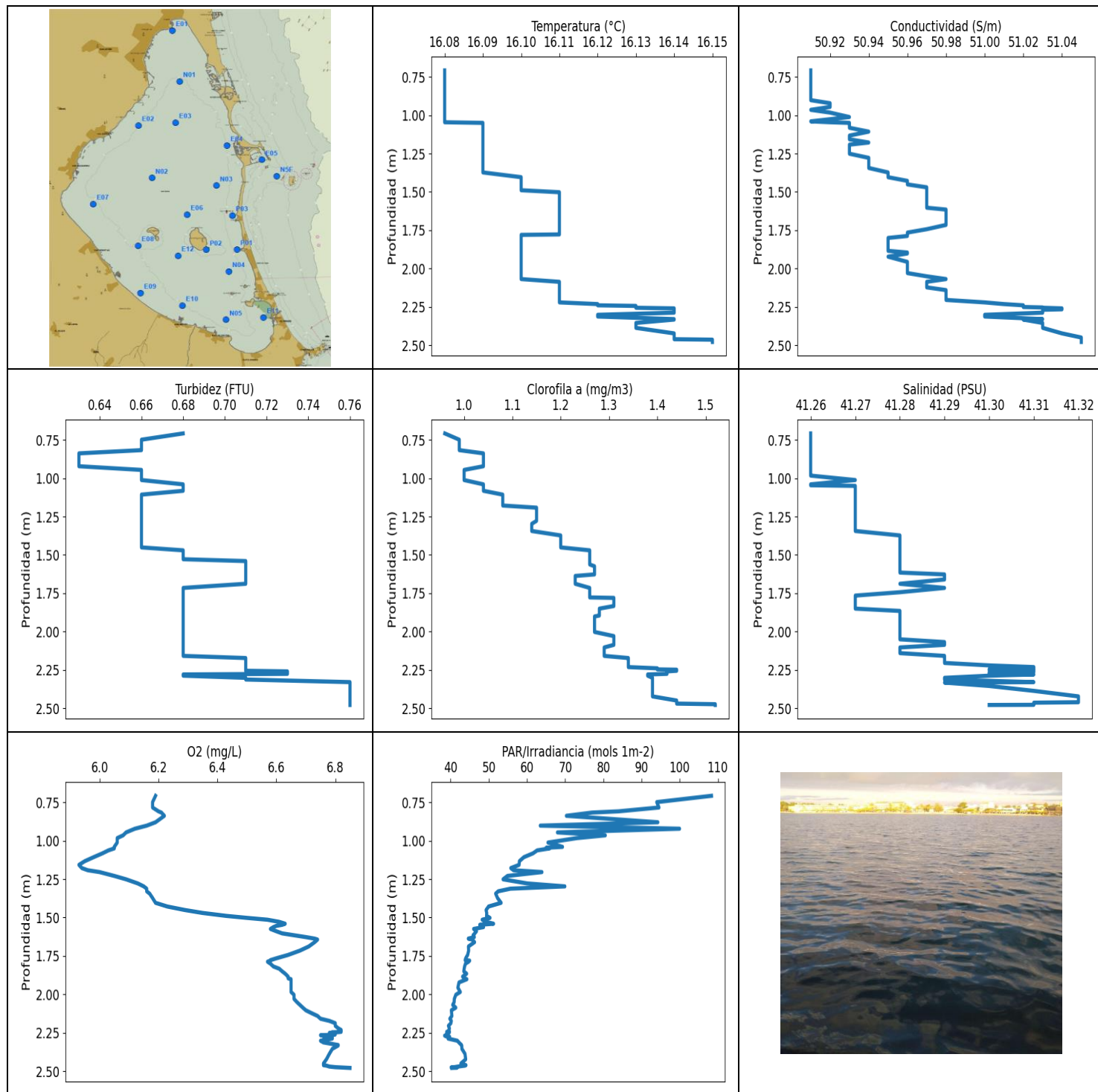
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| 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) |
| 0.703                                                          | 15.21      | 49.48               | 0.63           | 6.61           | 62.87                       | 1.6               | 40.84           |
| 0.743                                                          | 15.21      | 49.48               | 0.63           | 6.61           | 80.59                       | 1.6               | 40.85           |
| 0.77                                                           | 15.21      | 49.48               | 0.63           | 6.59           | 83.64                       | 1.6               | 40.85           |
| 0.795                                                          | 15.21      | 49.48               | 0.66           | 6.58           | 84.71                       | 1.61              | 40.85           |
| 0.8                                                            | 15.21      | 49.48               | 0.66           | 6.57           | 88.71                       | 1.61              | 40.85           |
| 0.804                                                          | 15.21      | 49.48               | 0.66           | 6.54           | 67.06                       | 1.61              | 40.85           |
| 0.848                                                          | 15.21      | 49.48               | 0.66           | 6.51           | 62.07                       | 1.61              | 40.85           |
| 0.892                                                          | 15.21      | 49.48               | 0.66           | 6.68           | 91.78                       | 1.61              | 40.85           |
| 0.893                                                          | 15.21      | 49.48               | 0.66           | 6.72           | 83.76                       | 1.61              | 40.85           |
| 0.928                                                          | 15.21      | 49.48               | 0.63           | 6.76           | 56.68                       | 1.61              | 40.85           |
| 0.964                                                          | 15.21      | 49.48               | 0.66           | 6.85           | 69.65                       | 1.54              | 40.85           |
| 0.986                                                          | 15.21      | 49.48               | 0.66           | 6.84           | 71.8                        | 1.54              | 40.85           |
| 1.022                                                          | 15.21      | 49.48               | 0.66           | 6.82           | 66.78                       | 1.54              | 40.85           |
| 1.044                                                          | 15.21      | 49.48               | 0.66           | 6.81           | 82.74                       | 1.6               | 40.85           |
| 1.046                                                          | 15.21      | 49.48               | 0.66           | 6.82           | 65.7                        | 1.6               | 40.85           |
| 1.056                                                          | 15.21      | 49.48               | 0.66           | 6.83           | 63.34                       | 1.6               | 40.85           |
| 1.081                                                          | 15.21      | 49.48               | 0.66           | 6.84           | 65.6                        | 1.6               | 40.85           |
| 1.119                                                          | 15.21      | 49.48               | 0.63           | 6.88           | 60.55                       | 1.6               | 40.85           |
| 1.147                                                          | 15.21      | 49.48               | 0.63           | 6.9            | 59.68                       | 1.6               | 40.85           |
| 1.158                                                          | 15.21      | 49.48               | 0.63           | 6.94           | 71.18                       | 1.6               | 40.85           |
| 1.164                                                          | 15.21      | 49.48               | 0.63           | 6.94           | 69.62                       | 1.6               | 40.85           |
| 1.187                                                          | 15.21      | 49.48               | 0.63           | 6.95           | 70.58                       | 1.61              | 40.85           |
| 1.228                                                          | 15.21      | 49.48               | 0.63           | 6.95           | 59.13                       | 1.61              | 40.85           |
| 1.261                                                          | 15.21      | 49.48               | 0.63           | 7.0            | 68.77                       | 1.68              | 40.85           |
| 1.269                                                          | 15.21      | 49.48               | 0.63           | 7.0            | 63.92                       | 1.68              | 40.85           |
| 1.296                                                          | 15.21      | 49.48               | 0.63           | 7.0            | 56.24                       | 1.68              | 40.85           |
| 1.33                                                           | 15.21      | 49.48               | 0.63           | 7.01           | 57.75                       | 1.68              | 40.85           |
| 1.353                                                          | 15.21      | 49.48               | 0.63           | 7.01           | 59.38                       | 1.68              | 40.85           |
| 1.356                                                          | 15.21      | 49.48               | 0.63           | 7.02           | 62.74                       | 1.68              | 40.85           |
| 1.366                                                          | 15.21      | 49.48               | 0.63           | 7.03           | 65.86                       | 1.68              | 40.85           |
| 1.398                                                          | 15.21      | 49.48               | 0.63           | 7.03           | 54.74                       | 1.65              | 40.85           |
| 1.431                                                          | 15.21      | 49.48               | 0.66           | 7.02           | 59.54                       | 1.67              | 40.85           |
| 1.448                                                          | 15.21      | 49.48               | 0.66           | 7.03           | 62.65                       | 1.67              | 40.85           |
| 1.486                                                          | 15.21      | 49.48               | 0.66           | 7.04           | 52.72                       | 1.67              | 40.85           |
| 1.52                                                           | 15.21      | 49.48               | 0.66           | 7.04           | 45.18                       | 1.67              | 40.85           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.524 | 15.21 | 49.48 | 0.66 | 7.1  | 63.73 | 1.69 | 40.85 |
| 1.547 | 15.21 | 49.48 | 0.66 | 7.11 | 64.52 | 1.69 | 40.85 |
| 1.593 | 15.21 | 49.48 | 0.66 | 7.11 | 58.77 | 1.69 | 40.85 |
| 1.636 | 15.21 | 49.48 | 0.63 | 7.11 | 51.61 | 1.71 | 40.85 |
| 1.645 | 15.21 | 49.49 | 0.63 | 7.13 | 54.1  | 1.71 | 40.85 |
| 1.655 | 15.21 | 49.49 | 0.63 | 7.13 | 61.73 | 1.69 | 40.85 |
| 1.676 | 15.21 | 49.48 | 0.63 | 7.12 | 56.41 | 1.69 | 40.85 |
| 1.694 | 15.21 | 49.49 | 0.63 | 7.11 | 49.96 | 1.69 | 40.85 |
| 1.704 | 15.21 | 49.49 | 0.63 | 7.09 | 54.38 | 1.65 | 40.85 |
| 1.71  | 15.21 | 49.48 | 0.63 | 7.09 | 57.05 | 1.65 | 40.85 |
| 1.73  | 15.21 | 49.48 | 0.63 | 7.09 | 54.36 | 1.65 | 40.85 |
| 1.745 | 15.21 | 49.48 | 0.63 | 7.11 | 52.43 | 1.71 | 40.85 |
| 1.752 | 15.21 | 49.48 | 0.63 | 7.11 | 50.81 | 1.71 | 40.85 |
| 1.784 | 15.21 | 49.48 | 0.66 | 7.11 | 49.28 | 1.68 | 40.85 |
| 1.822 | 15.21 | 49.49 | 0.66 | 7.12 | 48.8  | 1.68 | 40.85 |
| 1.833 | 15.21 | 49.49 | 0.66 | 7.13 | 50.45 | 1.68 | 40.85 |
| 1.857 | 15.21 | 49.49 | 0.68 | 7.15 | 50.6  | 1.71 | 40.86 |
| 1.909 | 15.21 | 49.49 | 0.68 | 7.15 | 48.35 | 1.71 | 40.85 |
| 1.957 | 15.21 | 49.49 | 0.66 | 7.14 | 48.35 | 1.69 | 40.86 |
| 1.981 | 15.21 | 49.49 | 0.66 | 7.11 | 48.3  | 1.69 | 40.86 |
| 2.022 | 15.21 | 49.49 | 0.68 | 6.99 | 48.94 | 1.69 | 40.85 |
| 2.032 | 15.21 | 49.49 | 0.66 | 7.0  | 46.45 | 1.73 | 40.85 |
| 2.079 | 15.21 | 49.49 | 0.66 | 7.02 | 44.18 | 1.73 | 40.85 |
| 2.14  | 15.21 | 49.49 | 0.66 | 7.04 | 43.49 | 1.73 | 40.85 |
| 2.149 | 15.21 | 49.49 | 0.68 | 7.07 | 47.55 | 1.69 | 40.85 |
| 2.155 | 15.21 | 49.49 | 0.68 | 7.08 | 46.91 | 1.69 | 40.85 |
| 2.17  | 15.21 | 49.49 | 0.68 | 7.08 | 44.61 | 1.69 | 40.85 |
| 2.191 | 15.21 | 49.49 | 0.68 | 7.09 | 41.81 | 1.69 | 40.85 |
| 2.214 | 15.21 | 49.49 | 0.66 | 7.1  | 41.09 | 1.69 | 40.85 |
| 2.23  | 15.21 | 49.49 | 0.66 | 7.11 | 43.35 | 1.69 | 40.85 |
| 2.245 | 15.21 | 49.49 | 0.66 | 7.11 | 45.32 | 1.69 | 40.85 |
| 2.259 | 15.21 | 49.49 | 0.66 | 7.1  | 46.6  | 1.69 | 40.85 |
| 2.273 | 15.21 | 49.49 | 0.68 | 7.1  | 43.69 | 1.67 | 40.85 |
| 2.298 | 15.21 | 49.49 | 0.68 | 7.11 | 41.76 | 1.67 | 40.85 |
| 2.327 | 15.21 | 49.49 | 0.68 | 7.14 | 43.93 | 1.68 | 40.85 |
| 2.33  | 15.21 | 49.49 | 0.68 | 7.15 | 44.02 | 1.68 | 40.85 |
| 2.341 | 15.21 | 49.49 | 0.68 | 7.15 | 43.51 | 1.68 | 40.85 |
| 2.35  | 15.21 | 49.48 | 0.66 | 7.13 | 42.34 | 1.73 | 40.85 |
| 2.352 | 15.21 | 49.49 | 0.66 | 7.11 | 42.95 | 1.73 | 40.85 |
| 2.363 | 15.21 | 49.49 | 0.66 | 7.1  | 43.9  | 1.73 | 40.85 |
| 2.368 | 15.21 | 49.48 | 0.68 | 7.14 | 42.72 | 1.73 | 40.85 |
| 2.376 | 15.21 | 49.48 | 0.68 | 7.16 | 43.0  | 1.73 | 40.85 |
| 2.387 | 15.21 | 49.48 | 0.63 | 7.16 | 42.47 | 1.72 | 40.85 |
| 2.395 | 15.21 | 49.48 | 0.63 | 7.15 | 42.23 | 1.72 | 40.85 |
| 2.412 | 15.21 | 49.48 | 0.63 | 7.15 | 43.16 | 1.69 | 40.85 |
| 2.415 | 15.21 | 49.49 | 0.63 | 7.16 | 42.03 | 1.69 | 40.85 |
| 2.416 | 15.21 | 49.49 | 0.66 | 7.18 | 41.42 | 1.68 | 40.85 |
| 2.421 | 15.21 | 49.48 | 0.66 | 7.19 | 42.77 | 1.68 | 40.85 |
| 2.424 | 15.21 | 49.48 | 0.66 | 7.2  | 44.56 | 1.68 | 40.85 |
| 2.425 | 15.21 | 49.49 | 0.66 | 7.23 | 42.27 | 1.69 | 40.85 |
| 2.433 | 15.21 | 49.49 | 0.66 | 7.22 | 42.53 | 1.69 | 40.86 |
| 2.447 | 15.21 | 49.49 | 0.66 | 7.22 | 42.86 | 1.69 | 40.86 |
| 2.452 | 15.21 | 49.49 | 0.66 | 7.18 | 42.24 | 1.77 | 40.86 |
| 2.453 | 15.21 | 49.49 | 0.66 | 7.17 | 41.67 | 1.77 | 40.85 |
| 2.47  | 15.21 | 49.49 | 0.66 | 7.16 | 41.8  | 1.73 | 40.86 |
| 2.516 | 15.21 | 49.49 | 0.66 | 7.16 | 42.01 | 1.73 | 40.86 |
| 2.594 | 15.21 | 49.5  | 0.66 | 7.16 | 40.8  | 1.73 | 40.86 |
| 2.66  | 15.21 | 49.5  | 0.66 | 7.16 | 39.57 | 1.73 | 40.86 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 2.703 | 15.21 | 49.51 | 0.66 | 7.15 | 38.71 | 1.73 | 40.87 |
| 2.765 | 15.22 | 49.53 | 0.76 | 7.16 | 38.38 | 1.74 | 40.88 |
| 2.832 | 15.22 | 49.55 | 0.76 | 7.16 | 38.69 | 1.74 | 40.89 |
| 2.89  | 15.24 | 49.56 | 0.71 | 7.2  | 38.27 | 1.77 | 40.88 |
| 2.917 | 15.24 | 49.56 | 0.71 | 7.19 | 38.16 | 1.77 | 40.89 |
| 2.981 | 15.24 | 49.57 | 0.71 | 7.18 | 37.45 | 1.77 | 40.9  |
| 3.057 | 15.24 | 49.6  | 0.71 | 7.18 | 35.95 | 1.82 | 40.92 |
| 3.13  | 15.25 | 49.66 | 0.71 | 7.18 | 35.01 | 1.82 | 40.97 |
| 3.177 | 15.26 | 49.72 | 0.71 | 7.19 | 34.6  | 1.82 | 41.02 |
| 3.198 | 15.28 | 49.79 | 0.71 | 7.19 | 34.96 | 1.82 | 41.06 |
| 3.222 | 15.3  | 49.79 | 0.76 | 7.2  | 35.44 | 1.9  | 41.04 |
| 3.254 | 15.31 | 49.81 | 0.76 | 7.21 | 35.3  | 1.9  | 41.05 |
| 3.281 | 15.32 | 49.88 | 0.76 | 7.22 | 34.45 | 1.9  | 41.11 |
| 3.31  | 15.33 | 49.87 | 0.76 | 7.22 | 33.54 | 1.9  | 41.08 |
| 3.351 | 15.34 | 49.94 | 0.76 | 7.23 | 33.26 | 1.9  | 41.14 |
| 3.395 | 15.35 | 50.04 | 0.76 | 7.23 | 33.41 | 2.11 | 41.22 |
| 3.443 | 15.37 | 50.11 | 0.76 | 7.24 | 33.3  | 2.11 | 41.26 |
| 3.499 | 15.39 | 50.18 | 0.76 | 7.25 | 32.97 | 2.11 | 41.31 |
| 3.548 | 15.41 | 50.28 | 0.76 | 7.27 | 32.52 | 2.11 | 41.38 |
| 3.957 | 15.68 | 50.91 | 0.71 | 7.36 | 29.0  | 2.02 | 41.67 |
| 4.017 | 15.69 | 50.91 | 0.71 | 7.38 | 28.63 | 2.02 | 41.66 |
| 4.065 | 15.7  | 50.91 | 0.71 | 7.39 | 28.59 | 2.02 | 41.66 |
| 4.092 | 15.7  | 50.92 | 0.71 | 7.4  | 28.21 | 2.02 | 41.66 |
| 4.119 | 15.7  | 50.91 | 0.63 | 7.4  | 27.65 | 1.84 | 41.65 |
| 4.165 | 15.7  | 50.92 | 0.63 | 7.4  | 27.27 | 1.84 | 41.65 |
| 4.241 | 15.71 | 50.92 | 0.63 | 7.39 | 26.73 | 1.84 | 41.65 |
| 4.333 | 15.71 | 50.92 | 0.63 | 7.39 | 26.18 | 1.84 | 41.66 |
| 4.418 | 15.71 | 50.92 | 0.66 | 7.39 | 25.8  | 1.85 | 41.66 |
| 4.476 | 15.71 | 50.92 | 0.66 | 7.39 | 25.57 | 1.85 | 41.66 |
| 4.513 | 15.71 | 50.92 | 0.66 | 7.4  | 25.23 | 1.85 | 41.65 |
| 4.568 | 15.71 | 50.92 | 0.66 | 7.41 | 24.68 | 1.85 | 41.65 |
| 4.637 | 15.71 | 50.92 | 0.66 | 7.42 | 24.28 | 1.85 | 41.66 |
| 4.695 | 15.71 | 50.92 | 0.63 | 7.42 | 24.01 | 1.83 | 41.66 |
| 4.744 | 15.71 | 50.92 | 0.63 | 7.41 | 23.84 | 1.83 | 41.66 |
| 4.784 | 15.71 | 50.92 | 0.63 | 7.41 | 23.76 | 1.83 | 41.66 |
| 4.82  | 15.71 | 50.92 | 0.63 | 7.4  | 23.54 | 1.83 | 41.66 |
| 4.868 | 15.71 | 50.92 | 0.63 | 7.39 | 23.0  | 1.82 | 41.66 |
| 4.934 | 15.71 | 50.92 | 0.63 | 7.38 | 22.51 | 1.82 | 41.66 |
| 4.99  | 15.71 | 50.92 | 0.63 | 7.37 | 22.34 | 1.82 | 41.66 |
| 5.028 | 15.71 | 50.92 | 0.63 | 7.37 | 22.35 | 1.82 | 41.66 |
| 5.071 | 15.71 | 50.92 | 0.63 | 7.38 | 22.03 | 1.82 | 41.66 |
| 5.15  | 15.71 | 50.92 | 0.61 | 7.38 | 21.43 | 1.83 | 41.66 |
| 5.256 | 15.71 | 50.92 | 0.61 | 7.37 | 20.83 | 1.83 | 41.66 |
| 5.341 | 15.71 | 50.93 | 0.61 | 7.37 | 20.56 | 1.83 | 41.66 |
| 5.387 | 15.71 | 50.93 | 0.61 | 7.37 | 20.42 | 1.83 | 41.66 |
| 5.423 | 15.71 | 50.92 | 0.61 | 7.37 | 20.15 | 1.85 | 41.66 |
| 5.475 | 15.71 | 50.93 | 0.61 | 7.36 | 19.87 | 1.85 | 41.66 |
| 5.554 | 15.71 | 50.93 | 0.61 | 7.36 | 19.38 | 1.85 | 41.66 |
| 5.631 | 15.71 | 50.93 | 0.61 | 7.36 | 19.15 | 1.85 | 41.66 |
| 5.679 | 15.71 | 50.93 | 0.63 | 7.37 | 19.11 | 1.88 | 41.66 |
| 5.693 | 15.71 | 50.93 | 0.63 | 7.37 | 19.13 | 1.88 | 41.66 |
| 5.698 | 15.71 | 50.92 | 0.63 | 7.38 | 18.91 | 1.88 | 41.66 |
| 5.749 | 15.71 | 50.92 | 0.63 | 7.38 | 18.53 | 1.88 | 41.66 |
| 5.837 | 15.71 | 50.93 | 0.63 | 7.39 | 18.06 | 1.88 | 41.66 |
| 5.922 | 15.71 | 50.93 | 0.61 | 7.39 | 17.74 | 1.83 | 41.66 |
| 5.964 | 15.71 | 50.93 | 0.61 | 7.39 | 17.76 | 1.83 | 41.66 |
| 5.967 | 15.71 | 50.93 | 0.61 | 7.39 | 17.82 | 1.83 | 41.66 |
| 5.976 | 15.71 | 50.93 | 0.61 | 7.38 | 17.62 | 1.83 | 41.66 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 6.028 | 15.71 | 50.93 | 0.61 | 7.37 | 17.29 | 1.83 | 41.66 |
| 6.102 | 15.71 | 50.93 | 0.61 | 7.37 | 16.97 | 1.83 | 41.66 |
| 6.119 | 15.71 | 50.93 | 0.61 | 7.34 | 17.02 | 1.86 | 41.66 |
| 6.186 | 15.71 | 50.93 | 0.61 | 7.34 | 16.57 | 1.86 | 41.66 |
| 6.306 | 15.71 | 50.93 | 0.61 | 7.34 | 16.08 | 1.86 | 41.66 |
| 6.352 | 15.71 | 50.93 | 0.63 | 7.36 | 16.21 | 1.92 | 41.66 |
| 6.377 | 15.71 | 50.93 | 0.63 | 7.36 | 16.04 | 1.92 | 41.66 |
| 6.418 | 15.71 | 50.93 | 0.63 | 7.35 | 15.98 | 1.9  | 41.66 |
| 6.43  | 15.71 | 50.93 | 0.63 | 7.31 | 16.07 | 1.9  | 41.66 |
| 6.432 | 15.71 | 50.93 | 0.61 | 7.3  | 15.99 | 2.01 | 41.66 |
| 6.435 | 15.71 | 50.93 | 0.61 | 7.29 | 16.03 | 2.01 | 41.66 |
| 6.436 | 15.71 | 50.93 | 0.61 | 7.28 | 16.04 | 2.01 | 41.66 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m³) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|----------------------|--------------------|
| <b>MÍNIMO</b>        | 16.08         | 50.91                  | 0.63              | 5.93              | 38.42                          | 0.96                 | 41.26              |
| <b>PROF (metros)</b> | 0.708         | 0.708                  | 0.838             | 1.157             | 2.268                          | 0.708                | 0.708              |
| <b>MÁXIMO</b>        | 16.15         | 16.15                  | 0.76              | 6.85              | 108.27                         | 1.52                 | 41.32              |
| <b>PROF (metros)</b> | 2.463         | 2.449                  | 2.329             | 2.478             | 0.708                          | 2.473                | 2.422              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E01 - Punto 004                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 16.08      | 50.91               | 0.65           | 6.16           | 83.92                       | 1.01              | 41.26           |
| 1 - 2m                                                     | 16.1       | 50.95               | 0.68           | 6.4            | 50.72                       | 1.21              | 41.27           |
| 2 - 3m                                                     | 16.13      | 51.02               | 0.72           | 6.77           | 40.6                        | 1.39              | 41.3            |

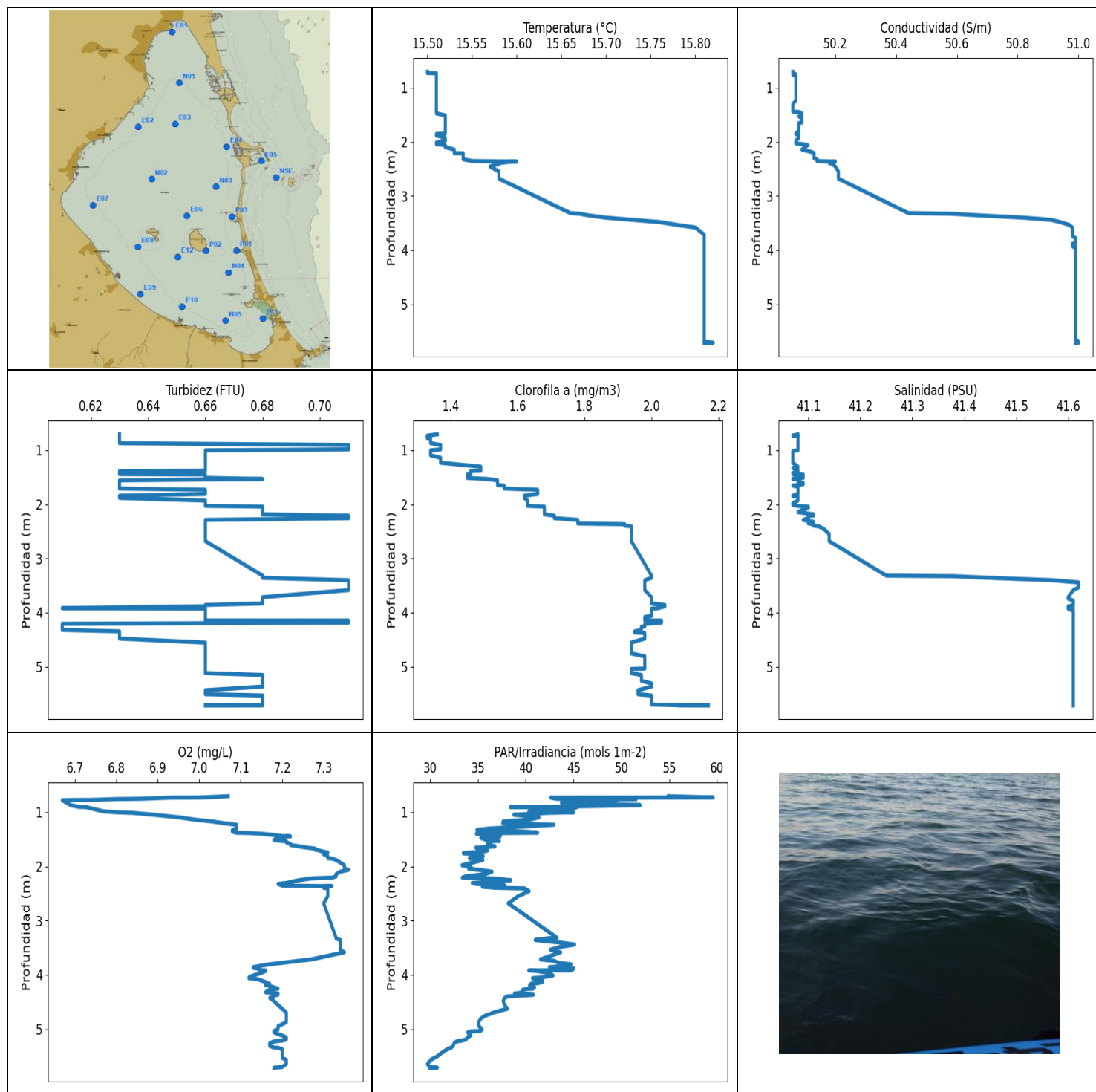
| OBSERVACIONES GENERALES |
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|                         |

| 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) |
| 0.708                                                          | 16.08      | 50.91               | 0.68           | 6.19           | 108.27                      | 0.96              | 41.26           |
| 0.749                                                          | 16.08      | 50.91               | 0.66           | 6.18           | 93.94                       | 0.99              | 41.26           |
| 0.784                                                          | 16.08      | 50.91               | 0.66           | 6.18           | 94.52                       | 0.99              | 41.26           |
| 0.809                                                          | 16.08      | 50.91               | 0.66           | 6.2            | 83.94                       | 0.99              | 41.26           |
| 0.817                                                          | 16.08      | 50.91               | 0.66           | 6.21           | 77.02                       | 0.99              | 41.26           |
| 0.838                                                          | 16.08      | 50.91               | 0.63           | 6.22           | 70.29                       | 1.04              | 41.26           |
| 0.88                                                           | 16.08      | 50.91               | 0.63           | 6.19           | 94.23                       | 1.04              | 41.26           |
| 0.902                                                          | 16.08      | 50.91               | 0.63           | 6.16           | 63.46                       | 1.04              | 41.26           |
| 0.922                                                          | 16.08      | 50.92               | 0.63           | 6.12           | 99.91                       | 1.04              | 41.26           |
| 0.946                                                          | 16.08      | 50.92               | 0.66           | 6.09           | 67.95                       | 1.0               | 41.26           |
| 0.965                                                          | 16.08      | 50.91               | 0.66           | 6.08           | 80.48                       | 1.0               | 41.26           |
| 0.983                                                          | 16.08      | 50.92               | 0.66           | 6.06           | 73.06                       | 1.0               | 41.26           |
| 1.012                                                          | 16.08      | 50.93               | 0.66           | 6.06           | 65.47                       | 1.0               | 41.27           |
| 1.04                                                           | 16.08      | 50.91               | 0.68           | 6.05           | 69.28                       | 1.04              | 41.26           |
| 1.046                                                          | 16.08      | 50.92               | 0.68           | 6.05           | 64.99                       | 1.04              | 41.26           |
| 1.05                                                           | 16.09      | 50.93               | 0.68           | 6.05           | 65.9                        | 1.04              | 41.27           |
| 1.063                                                          | 16.09      | 50.93               | 0.68           | 6.03           | 62.64                       | 1.04              | 41.27           |
| 1.082                                                          | 16.09      | 50.93               | 0.68           | 6.01           | 61.56                       | 1.04              | 41.27           |
| 1.107                                                          | 16.09      | 50.94               | 0.66           | 5.98           | 59.18                       | 1.08              | 41.27           |
| 1.133                                                          | 16.09      | 50.93               | 0.66           | 5.95           | 58.0                        | 1.08              | 41.27           |
| 1.157                                                          | 16.09      | 50.93               | 0.66           | 5.93           | 57.92                       | 1.08              | 41.27           |
| 1.178                                                          | 16.09      | 50.94               | 0.66           | 5.94           | 55.74                       | 1.08              | 41.27           |
| 1.192                                                          | 16.09      | 50.93               | 0.66           | 5.96           | 56.47                       | 1.15              | 41.27           |
| 1.204                                                          | 16.09      | 50.93               | 0.66           | 6.0            | 63.89                       | 1.15              | 41.27           |
| 1.229                                                          | 16.09      | 50.93               | 0.66           | 6.05           | 54.88                       | 1.15              | 41.27           |
| 1.251                                                          | 16.09      | 50.93               | 0.66           | 6.09           | 53.72                       | 1.15              | 41.27           |
| 1.278                                                          | 16.09      | 50.94               | 0.66           | 6.13           | 60.06                       | 1.15              | 41.27           |
| 1.297                                                          | 16.09      | 50.94               | 0.66           | 6.15           | 69.89                       | 1.14              | 41.27           |
| 1.312                                                          | 16.09      | 50.94               | 0.66           | 6.16           | 55.65                       | 1.14              | 41.27           |
| 1.329                                                          | 16.09      | 50.94               | 0.66           | 6.16           | 52.46                       | 1.14              | 41.27           |
| 1.344                                                          | 16.09      | 50.94               | 0.66           | 6.17           | 51.78                       | 1.14              | 41.27           |
| 1.373                                                          | 16.09      | 50.95               | 0.66           | 6.18           | 52.28                       | 1.2               | 41.28           |
| 1.404                                                          | 16.1       | 50.95               | 0.66           | 6.19           | 53.21                       | 1.2               | 41.28           |
| 1.428                                                          | 16.1       | 50.96               | 0.66           | 6.23           | 49.93                       | 1.2               | 41.28           |
| 1.451                                                          | 16.1       | 50.96               | 0.66           | 6.29           | 49.28                       | 1.2               | 41.28           |
| 1.47                                                           | 16.1       | 50.97               | 0.68           | 6.35           | 49.44                       | 1.26              | 41.28           |
| 1.489                                                          | 16.1       | 50.97               | 0.68           | 6.43           | 49.41                       | 1.26              | 41.28           |
| 1.502                                                          | 16.11      | 50.97               | 0.68           | 6.5            | 50.3                        | 1.26              | 41.28           |
| 1.514                                                          | 16.11      | 50.97               | 0.68           | 6.57           | 48.26                       | 1.26              | 41.28           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.528 | 16.11 | 50.97 | 0.68 | 6.61 | 49.25 | 1.26 | 41.28 |
| 1.54  | 16.11 | 50.97 | 0.71 | 6.63 | 51.24 | 1.26 | 41.28 |
| 1.547 | 16.11 | 50.97 | 0.71 | 6.62 | 47.62 | 1.26 | 41.28 |
| 1.554 | 16.11 | 50.97 | 0.71 | 6.6  | 48.16 | 1.26 | 41.28 |
| 1.562 | 16.11 | 50.97 | 0.71 | 6.59 | 48.61 | 1.26 | 41.28 |
| 1.574 | 16.11 | 50.97 | 0.71 | 6.58 | 46.02 | 1.27 | 41.28 |
| 1.589 | 16.11 | 50.97 | 0.71 | 6.6  | 46.76 | 1.27 | 41.28 |
| 1.603 | 16.11 | 50.97 | 0.71 | 6.62 | 46.3  | 1.27 | 41.28 |
| 1.615 | 16.11 | 50.98 | 0.71 | 6.66 | 45.87 | 1.27 | 41.28 |
| 1.627 | 16.11 | 50.98 | 0.71 | 6.7  | 46.2  | 1.27 | 41.29 |
| 1.637 | 16.11 | 50.98 | 0.71 | 6.73 | 44.62 | 1.23 | 41.29 |
| 1.643 | 16.11 | 50.98 | 0.71 | 6.74 | 45.62 | 1.23 | 41.29 |
| 1.66  | 16.11 | 50.98 | 0.71 | 6.73 | 46.26 | 1.23 | 41.29 |
| 1.688 | 16.11 | 50.98 | 0.71 | 6.71 | 44.66 | 1.23 | 41.28 |
| 1.715 | 16.11 | 50.98 | 0.68 | 6.68 | 44.71 | 1.26 | 41.29 |
| 1.743 | 16.11 | 50.97 | 0.68 | 6.64 | 44.45 | 1.26 | 41.28 |
| 1.765 | 16.11 | 50.96 | 0.68 | 6.6  | 43.94 | 1.26 | 41.27 |
| 1.777 | 16.11 | 50.96 | 0.68 | 6.58 | 43.8  | 1.26 | 41.27 |
| 1.78  | 16.1  | 50.96 | 0.68 | 6.58 | 44.98 | 1.31 | 41.27 |
| 1.787 | 16.1  | 50.96 | 0.68 | 6.57 | 44.7  | 1.31 | 41.27 |
| 1.8   | 16.1  | 50.95 | 0.68 | 6.58 | 43.88 | 1.31 | 41.27 |
| 1.818 | 16.1  | 50.95 | 0.68 | 6.59 | 43.65 | 1.31 | 41.27 |
| 1.833 | 16.1  | 50.95 | 0.68 | 6.61 | 43.54 | 1.31 | 41.27 |
| 1.85  | 16.1  | 50.95 | 0.68 | 6.62 | 43.45 | 1.28 | 41.27 |
| 1.865 | 16.1  | 50.95 | 0.68 | 6.63 | 44.19 | 1.28 | 41.28 |
| 1.884 | 16.1  | 50.95 | 0.68 | 6.64 | 43.13 | 1.28 | 41.28 |
| 1.895 | 16.1  | 50.96 | 0.68 | 6.64 | 43.55 | 1.28 | 41.28 |
| 1.901 | 16.1  | 50.96 | 0.68 | 6.65 | 44.25 | 1.27 | 41.28 |
| 1.922 | 16.1  | 50.95 | 0.68 | 6.65 | 42.18 | 1.27 | 41.28 |
| 1.956 | 16.1  | 50.96 | 0.68 | 6.65 | 41.89 | 1.27 | 41.28 |
| 1.984 | 16.1  | 50.96 | 0.68 | 6.65 | 42.53 | 1.27 | 41.28 |
| 2.002 | 16.1  | 50.96 | 0.68 | 6.66 | 41.36 | 1.27 | 41.28 |
| 2.029 | 16.1  | 50.96 | 0.68 | 6.66 | 40.96 | 1.31 | 41.28 |
| 2.05  | 16.1  | 50.97 | 0.68 | 6.67 | 40.92 | 1.31 | 41.28 |
| 2.068 | 16.1  | 50.98 | 0.68 | 6.68 | 40.54 | 1.31 | 41.29 |
| 2.086 | 16.11 | 50.97 | 0.68 | 6.69 | 41.35 | 1.31 | 41.29 |
| 2.103 | 16.11 | 50.97 | 0.68 | 6.7  | 40.19 | 1.29 | 41.28 |
| 2.122 | 16.11 | 50.97 | 0.68 | 6.72 | 40.26 | 1.29 | 41.28 |
| 2.14  | 16.11 | 50.98 | 0.68 | 6.74 | 40.32 | 1.29 | 41.28 |
| 2.158 | 16.11 | 50.98 | 0.68 | 6.75 | 39.79 | 1.29 | 41.29 |
| 2.172 | 16.11 | 50.98 | 0.71 | 6.78 | 40.18 | 1.34 | 41.29 |
| 2.187 | 16.11 | 50.98 | 0.71 | 6.8  | 40.06 | 1.34 | 41.29 |
| 2.204 | 16.11 | 50.98 | 0.71 | 6.8  | 39.42 | 1.34 | 41.29 |
| 2.22  | 16.11 | 51.0  | 0.71 | 6.81 | 39.68 | 1.34 | 41.3  |
| 2.231 | 16.12 | 51.01 | 0.71 | 6.82 | 39.56 | 1.34 | 41.31 |
| 2.239 | 16.12 | 51.02 | 0.71 | 6.82 | 39.62 | 1.4  | 41.31 |
| 2.243 | 16.13 | 51.02 | 0.71 | 6.82 | 38.97 | 1.4  | 41.31 |
| 2.245 | 16.13 | 51.02 | 0.71 | 6.81 | 39.28 | 1.4  | 41.3  |
| 2.246 | 16.13 | 51.02 | 0.71 | 6.79 | 39.69 | 1.4  | 41.3  |
| 2.248 | 16.13 | 51.02 | 0.71 | 6.79 | 39.12 | 1.44 | 41.3  |
| 2.25  | 16.13 | 51.02 | 0.71 | 6.78 | 39.43 | 1.44 | 41.3  |
| 2.253 | 16.13 | 51.03 | 0.71 | 6.78 | 38.95 | 1.44 | 41.31 |
| 2.255 | 16.13 | 51.03 | 0.71 | 6.79 | 39.37 | 1.44 | 41.31 |
| 2.259 | 16.14 | 51.04 | 0.73 | 6.79 | 39.08 | 1.42 | 41.31 |
| 2.26  | 16.14 | 51.04 | 0.73 | 6.8  | 39.34 | 1.42 | 41.31 |
| 2.263 | 16.14 | 51.04 | 0.73 | 6.79 | 39.35 | 1.42 | 41.31 |
| 2.265 | 16.14 | 51.04 | 0.73 | 6.75 | 38.91 | 1.42 | 41.3  |
| 2.268 | 16.14 | 51.03 | 0.73 | 6.76 | 38.42 | 1.42 | 41.3  |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 2.273 | 16.14 | 51.03 | 0.73 | 6.76 | 38.93 | 1.42 | 41.3  |
| 2.275 | 16.14 | 51.03 | 0.73 | 6.78 | 39.73 | 1.42 | 41.3  |
| 2.279 | 16.14 | 51.03 | 0.68 | 6.79 | 39.54 | 1.38 | 41.31 |
| 2.287 | 16.14 | 51.03 | 0.68 | 6.79 | 39.33 | 1.38 | 41.3  |
| 2.301 | 16.12 | 51.0  | 0.71 | 6.75 | 41.76 | 1.39 | 41.29 |
| 2.312 | 16.12 | 51.0  | 0.71 | 6.76 | 42.15 | 1.39 | 41.29 |
| 2.329 | 16.14 | 51.03 | 0.76 | 6.81 | 42.84 | 1.39 | 41.31 |
| 2.332 | 16.14 | 51.02 | 0.76 | 6.81 | 42.9  | 1.39 | 41.29 |
| 2.354 | 16.13 | 51.03 | 0.76 | 6.79 | 42.95 | 1.39 | 41.3  |
| 2.386 | 16.13 | 51.03 | 0.76 | 6.78 | 43.75 | 1.39 | 41.31 |
| 2.422 | 16.14 | 51.04 | 0.76 | 6.77 | 43.94 | 1.39 | 41.32 |
| 2.449 | 16.14 | 51.05 | 0.76 | 6.76 | 42.69 | 1.44 | 41.32 |
| 2.46  | 16.14 | 51.05 | 0.76 | 6.76 | 44.01 | 1.44 | 41.32 |
| 2.463 | 16.15 | 51.05 | 0.76 | 6.77 | 43.76 | 1.44 | 41.31 |
| 2.469 | 16.15 | 51.05 | 0.76 | 6.78 | 41.91 | 1.44 | 41.31 |
| 2.473 | 16.15 | 51.05 | 0.76 | 6.8  | 40.98 | 1.52 | 41.31 |
| 2.475 | 16.15 | 51.05 | 0.76 | 6.82 | 40.14 | 1.52 | 41.31 |
| 2.476 | 16.15 | 51.05 | 0.76 | 6.83 | 41.71 | 1.52 | 41.31 |
| 2.477 | 16.15 | 51.05 | 0.76 | 6.84 | 40.94 | 1.52 | 41.31 |
| 2.478 | 16.15 | 51.05 | 0.76 | 6.85 | 40.31 | 1.52 | 41.3  |





### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.5          | 50.06                  | 0.61              | 6.67              | 29.74                          | 1.33                              | 41.07              |
| <b>PROF (metros)</b> | 0.705         | 0.705                  | 3.917             | 0.779             | 5.644                          | 0.729                             | 0.729              |
| <b>MÁXIMO</b>        | 15.82         | 15.82                  | 0.71              | 7.36              | 59.61                          | 2.17                              | 41.62              |
| <b>PROF (metros)</b> | 5.713         | 5.701                  | 0.902             | 2.061             | 0.729                          | 5.718                             | 3.442              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N01 - Punto 005                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.51      | 50.07               | 0.66           | 6.79           | 46.6                        | 1.35              | 41.08           |
| 1 - 2m                                                     | 15.52      | 50.08               | 0.65           | 7.18           | 36.83                       | 1.51              | 41.08           |
| 2 - 3m                                                     | 15.55      | 50.14               | 0.67           | 7.3            | 36.16                       | 1.78              | 41.1            |
| 3 - 4m                                                     | 15.78      | 50.91               | 0.68           | 7.24           | 43.06                       | 2.0               | 41.57           |
| 4 - 5m                                                     | 15.81      | 50.99               | 0.65           | 7.17           | 39.41                       | 1.98              | 41.61           |
| 5 - 6m                                                     | 15.81      | 50.99               | 0.67           | 7.19           | 32.25                       | 2.0               | 41.61           |

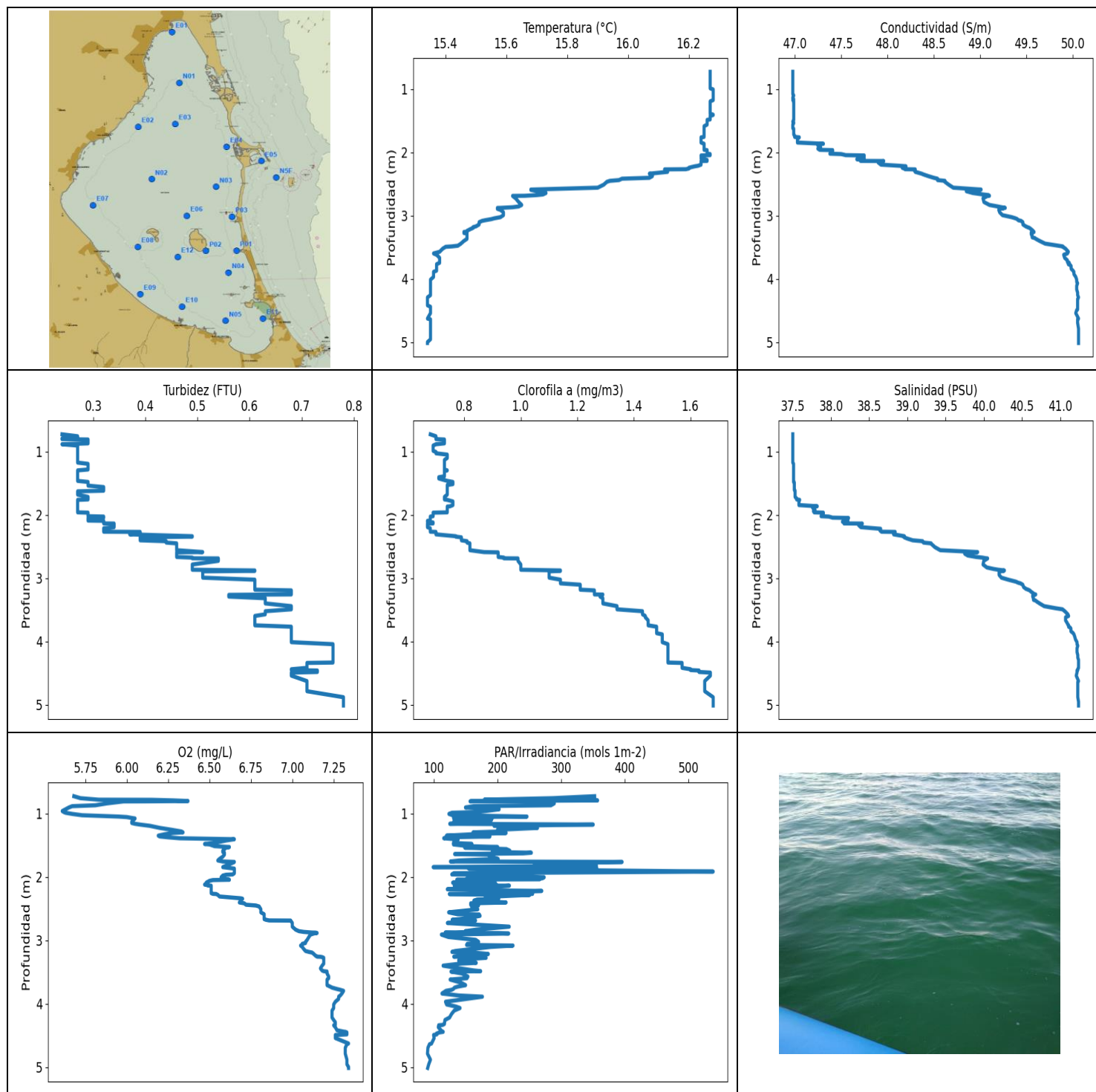
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| 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                                                          | 15.5       | 50.06               | 0.63           | 7.07           | 54.92                       | 1.36              | 41.08           |
| 0.729                                                          | 15.5       | 50.06               | 0.63           | 7.0            | 59.6                        | 1.33              | 41.07           |
| 0.731                                                          | 15.51      | 50.06               | 0.63           | 6.93           | 42.64                       | 1.33              | 41.08           |
| 0.752                                                          | 15.51      | 50.07               | 0.63           | 6.86           | 43.24                       | 1.33              | 41.08           |
| 0.758                                                          | 15.51      | 50.06               | 0.63           | 6.8            | 51.55                       | 1.33              | 41.08           |
| 0.773                                                          | 15.51      | 50.07               | 0.63           | 6.74           | 46.11                       | 1.33              | 41.08           |
| 0.774                                                          | 15.51      | 50.07               | 0.63           | 6.7            | 49.55                       | 1.34              | 41.08           |
| 0.779                                                          | 15.51      | 50.07               | 0.63           | 6.67           | 46.19                       | 1.34              | 41.08           |
| 0.822                                                          | 15.51      | 50.07               | 0.63           | 6.68           | 43.73                       | 1.34              | 41.08           |
| 0.869                                                          | 15.51      | 50.07               | 0.63           | 6.69           | 51.96                       | 1.34              | 41.08           |
| 0.902                                                          | 15.51      | 50.07               | 0.71           | 6.71           | 42.57                       | 1.37              | 41.08           |
| 0.905                                                          | 15.51      | 50.07               | 0.71           | 6.73           | 38.39                       | 1.37              | 41.08           |
| 0.912                                                          | 15.51      | 50.07               | 0.71           | 6.73           | 45.31                       | 1.37              | 41.08           |
| 0.949                                                          | 15.51      | 50.07               | 0.71           | 6.75           | 42.91                       | 1.37              | 41.08           |
| 0.984                                                          | 15.51      | 50.07               | 0.71           | 6.77           | 40.35                       | 1.37              | 41.08           |
| 1.001                                                          | 15.51      | 50.07               | 0.66           | 6.8            | 45.03                       | 1.34              | 41.08           |
| 1.012                                                          | 15.51      | 50.07               | 0.66           | 6.84           | 42.29                       | 1.34              | 41.07           |
| 1.047                                                          | 15.51      | 50.07               | 0.66           | 6.89           | 38.77                       | 1.34              | 41.07           |
| 1.093                                                          | 15.51      | 50.07               | 0.66           | 6.95           | 41.39                       | 1.34              | 41.07           |
| 1.138                                                          | 15.51      | 50.07               | 0.66           | 6.99           | 40.45                       | 1.37              | 41.07           |
| 1.169                                                          | 15.51      | 50.07               | 0.66           | 7.03           | 37.65                       | 1.37              | 41.07           |
| 1.203                                                          | 15.51      | 50.07               | 0.66           | 7.06           | 37.61                       | 1.37              | 41.07           |
| 1.231                                                          | 15.51      | 50.07               | 0.66           | 7.09           | 42.97                       | 1.37              | 41.07           |
| 1.303                                                          | 15.51      | 50.06               | 0.66           | 7.09           | 36.08                       | 1.49              | 41.08           |
| 1.328                                                          | 15.51      | 50.06               | 0.66           | 7.08           | 34.91                       | 1.49              | 41.07           |
| 1.358                                                          | 15.51      | 50.06               | 0.66           | 7.08           | 39.94                       | 1.49              | 41.08           |
| 1.379                                                          | 15.51      | 50.06               | 0.66           | 7.09           | 41.26                       | 1.49              | 41.08           |
| 1.384                                                          | 15.51      | 50.06               | 0.63           | 7.12           | 38.04                       | 1.46              | 41.08           |
| 1.397                                                          | 15.51      | 50.06               | 0.63           | 7.15           | 34.85                       | 1.46              | 41.08           |
| 1.421                                                          | 15.51      | 50.06               | 0.63           | 7.18           | 36.24                       | 1.46              | 41.07           |
| 1.441                                                          | 15.51      | 50.06               | 0.63           | 7.2            | 37.35                       | 1.46              | 41.07           |
| 1.446                                                          | 15.51      | 50.07               | 0.66           | 7.22           | 37.32                       | 1.45              | 41.08           |
| 1.447                                                          | 15.51      | 50.08               | 0.66           | 7.21           | 36.56                       | 1.45              | 41.09           |
| 1.474                                                          | 15.51      | 50.09               | 0.66           | 7.2            | 35.31                       | 1.45              | 41.09           |
| 1.511                                                          | 15.52      | 50.09               | 0.66           | 7.18           | 35.92                       | 1.45              | 41.09           |
| 1.53                                                           | 15.52      | 50.08               | 0.68           | 7.2            | 37.25                       | 1.51              | 41.07           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.531 | 15.52 | 50.08 | 0.68 | 7.21 | 36.63 | 1.51 | 41.08 |
| 1.555 | 15.52 | 50.09 | 0.63 | 7.21 | 36.0  | 1.54 | 41.08 |
| 1.584 | 15.52 | 50.09 | 0.63 | 7.22 | 36.1  | 1.54 | 41.08 |
| 1.605 | 15.52 | 50.09 | 0.63 | 7.22 | 36.01 | 1.54 | 41.09 |
| 1.628 | 15.52 | 50.09 | 0.63 | 7.24 | 36.8  | 1.54 | 41.09 |
| 1.643 | 15.52 | 50.09 | 0.63 | 7.25 | 35.97 | 1.54 | 41.08 |
| 1.653 | 15.52 | 50.08 | 0.63 | 7.26 | 34.79 | 1.56 | 41.07 |
| 1.672 | 15.52 | 50.08 | 0.63 | 7.28 | 35.2  | 1.56 | 41.08 |
| 1.69  | 15.52 | 50.08 | 0.63 | 7.28 | 35.69 | 1.56 | 41.08 |
| 1.707 | 15.52 | 50.08 | 0.63 | 7.29 | 36.0  | 1.56 | 41.08 |
| 1.73  | 15.52 | 50.08 | 0.66 | 7.3  | 35.47 | 1.66 | 41.08 |
| 1.743 | 15.52 | 50.08 | 0.66 | 7.31 | 34.24 | 1.66 | 41.08 |
| 1.755 | 15.52 | 50.08 | 0.66 | 7.3  | 33.49 | 1.66 | 41.08 |
| 1.776 | 15.52 | 50.08 | 0.66 | 7.3  | 34.48 | 1.66 | 41.08 |
| 1.809 | 15.52 | 50.08 | 0.66 | 7.31 | 35.57 | 1.66 | 41.08 |
| 1.839 | 15.52 | 50.07 | 0.63 | 7.31 | 34.52 | 1.62 | 41.07 |
| 1.85  | 15.52 | 50.07 | 0.63 | 7.31 | 34.12 | 1.62 | 41.07 |
| 1.854 | 15.51 | 50.07 | 0.63 | 7.32 | 35.21 | 1.62 | 41.08 |
| 1.881 | 15.51 | 50.08 | 0.63 | 7.33 | 35.53 | 1.62 | 41.08 |
| 1.929 | 15.52 | 50.08 | 0.66 | 7.34 | 34.43 | 1.63 | 41.08 |
| 1.978 | 15.52 | 50.07 | 0.66 | 7.35 | 33.35 | 1.63 | 41.07 |
| 2.011 | 15.51 | 50.07 | 0.66 | 7.35 | 34.3  | 1.63 | 41.07 |
| 2.028 | 15.51 | 50.07 | 0.66 | 7.35 | 34.28 | 1.63 | 41.08 |
| 2.041 | 15.51 | 50.09 | 0.68 | 7.35 | 34.04 | 1.68 | 41.1  |
| 2.061 | 15.52 | 50.11 | 0.68 | 7.36 | 35.05 | 1.68 | 41.1  |
| 2.097 | 15.52 | 50.1  | 0.68 | 7.34 | 36.49 | 1.68 | 41.09 |
| 2.142 | 15.53 | 50.09 | 0.68 | 7.33 | 35.78 | 1.68 | 41.08 |
| 2.184 | 15.53 | 50.12 | 0.68 | 7.33 | 33.7  | 1.68 | 41.11 |
| 2.208 | 15.53 | 50.13 | 0.71 | 7.32 | 33.38 | 1.71 | 41.11 |
| 2.212 | 15.54 | 50.13 | 0.71 | 7.3  | 33.76 | 1.71 | 41.1  |
| 2.221 | 15.54 | 50.13 | 0.71 | 7.27 | 36.68 | 1.71 | 41.1  |
| 2.255 | 15.54 | 50.13 | 0.71 | 7.24 | 38.44 | 1.71 | 41.1  |
| 2.287 | 15.54 | 50.13 | 0.66 | 7.22 | 36.04 | 1.78 | 41.09 |
| 2.305 | 15.54 | 50.13 | 0.66 | 7.21 | 34.42 | 1.78 | 41.1  |
| 2.323 | 15.54 | 50.14 | 0.66 | 7.19 | 34.84 | 1.78 | 41.11 |
| 2.354 | 15.55 | 50.14 | 0.66 | 7.2  | 37.84 | 1.78 | 41.1  |
| 2.366 | 15.6  | 50.2  | 0.66 | 7.32 | 36.57 | 1.92 | 41.11 |
| 2.371 | 15.59 | 50.19 | 0.66 | 7.3  | 35.47 | 1.92 | 41.11 |
| 2.394 | 15.58 | 50.18 | 0.66 | 7.3  | 36.8  | 1.92 | 41.11 |
| 2.406 | 15.58 | 50.19 | 0.66 | 7.31 | 39.89 | 1.94 | 41.12 |
| 2.457 | 15.57 | 50.2  | 0.66 | 7.31 | 40.36 | 1.94 | 41.13 |
| 2.548 | 15.58 | 50.21 | 0.66 | 7.31 | 39.23 | 1.94 | 41.14 |
| 2.68  | 15.58 | 50.21 | 0.66 | 7.3  | 38.18 | 1.94 | 41.14 |
| 3.317 | 15.66 | 50.44 | 0.68 | 7.33 | 43.29 | 2.0  | 41.25 |
| 3.328 | 15.67 | 50.58 | 0.68 | 7.33 | 42.25 | 2.0  | 41.38 |
| 3.358 | 15.68 | 50.67 | 0.68 | 7.34 | 41.0  | 2.0  | 41.45 |
| 3.402 | 15.7  | 50.82 | 0.71 | 7.34 | 43.47 | 1.98 | 41.57 |
| 3.442 | 15.73 | 50.91 | 0.71 | 7.34 | 45.12 | 1.98 | 41.62 |
| 3.483 | 15.76 | 50.94 | 0.71 | 7.34 | 43.66 | 1.98 | 41.62 |
| 3.536 | 15.78 | 50.97 | 0.71 | 7.34 | 42.6  | 1.98 | 41.62 |
| 3.584 | 15.8  | 50.98 | 0.71 | 7.35 | 43.66 | 1.98 | 41.61 |
| 3.716 | 15.81 | 50.98 | 0.68 | 7.27 | 41.55 | 2.0  | 41.6  |
| 3.742 | 15.81 | 50.98 | 0.68 | 7.24 | 42.95 | 2.0  | 41.6  |
| 3.779 | 15.81 | 50.99 | 0.68 | 7.2  | 43.47 | 2.0  | 41.61 |
| 3.806 | 15.81 | 50.99 | 0.68 | 7.17 | 44.74 | 2.0  | 41.61 |
| 3.831 | 15.81 | 50.99 | 0.68 | 7.15 | 44.42 | 2.0  | 41.61 |
| 3.859 | 15.81 | 50.99 | 0.66 | 7.13 | 42.49 | 2.04 | 41.61 |
| 3.869 | 15.81 | 50.99 | 0.66 | 7.13 | 43.0  | 2.04 | 41.61 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.884 | 15.81 | 50.98 | 0.66 | 7.14 | 45.02 | 2.04 | 41.6  |
| 3.917 | 15.81 | 50.99 | 0.61 | 7.15 | 44.77 | 2.02 | 41.61 |
| 3.919 | 15.81 | 50.99 | 0.61 | 7.16 | 40.33 | 2.02 | 41.61 |
| 3.928 | 15.81 | 50.98 | 0.66 | 7.16 | 41.15 | 2.0  | 41.6  |
| 3.964 | 15.81 | 50.99 | 0.66 | 7.15 | 42.31 | 2.0  | 41.61 |
| 4.012 | 15.81 | 50.99 | 0.66 | 7.13 | 42.86 | 2.0  | 41.61 |
| 4.046 | 15.81 | 50.99 | 0.66 | 7.12 | 41.77 | 2.0  | 41.61 |
| 4.062 | 15.81 | 50.99 | 0.66 | 7.12 | 40.71 | 2.0  | 41.61 |
| 4.08  | 15.81 | 50.99 | 0.66 | 7.14 | 40.96 | 1.98 | 41.61 |
| 4.105 | 15.81 | 50.99 | 0.66 | 7.15 | 41.75 | 1.98 | 41.61 |
| 4.132 | 15.81 | 50.99 | 0.66 | 7.16 | 41.74 | 1.98 | 41.61 |
| 4.146 | 15.81 | 50.99 | 0.66 | 7.16 | 41.21 | 1.98 | 41.61 |
| 4.147 | 15.81 | 50.99 | 0.71 | 7.16 | 41.4  | 2.03 | 41.61 |
| 4.163 | 15.81 | 50.99 | 0.71 | 7.17 | 40.58 | 2.03 | 41.61 |
| 4.188 | 15.81 | 50.99 | 0.71 | 7.16 | 40.41 | 2.03 | 41.61 |
| 4.207 | 15.81 | 50.99 | 0.61 | 7.17 | 40.41 | 1.98 | 41.61 |
| 4.23  | 15.81 | 50.99 | 0.61 | 7.18 | 40.94 | 1.98 | 41.61 |
| 4.257 | 15.81 | 50.99 | 0.61 | 7.19 | 40.73 | 1.98 | 41.61 |
| 4.26  | 15.81 | 50.99 | 0.61 | 7.18 | 40.13 | 1.97 | 41.61 |
| 4.276 | 15.81 | 50.99 | 0.61 | 7.17 | 39.68 | 1.97 | 41.61 |
| 4.321 | 15.81 | 50.99 | 0.61 | 7.16 | 39.76 | 1.97 | 41.61 |
| 4.347 | 15.81 | 50.99 | 0.63 | 7.19 | 38.84 | 1.95 | 41.61 |
| 4.355 | 15.81 | 50.99 | 0.63 | 7.19 | 40.27 | 1.95 | 41.61 |
| 4.367 | 15.81 | 50.99 | 0.63 | 7.19 | 40.81 | 1.95 | 41.61 |
| 4.379 | 15.81 | 50.99 | 0.63 | 7.18 | 39.88 | 1.98 | 41.61 |
| 4.396 | 15.81 | 50.99 | 0.63 | 7.18 | 38.14 | 1.98 | 41.61 |
| 4.426 | 15.81 | 50.99 | 0.63 | 7.17 | 37.79 | 1.98 | 41.61 |
| 4.481 | 15.81 | 50.99 | 0.63 | 7.18 | 37.65 | 1.98 | 41.61 |
| 4.555 | 15.81 | 50.99 | 0.66 | 7.19 | 37.8  | 1.94 | 41.61 |
| 4.625 | 15.81 | 50.99 | 0.66 | 7.2  | 38.09 | 1.94 | 41.61 |
| 4.692 | 15.81 | 50.99 | 0.66 | 7.21 | 36.72 | 1.94 | 41.61 |
| 4.756 | 15.81 | 50.99 | 0.66 | 7.21 | 35.75 | 1.94 | 41.61 |
| 4.81  | 15.81 | 50.99 | 0.66 | 7.21 | 35.28 | 1.98 | 41.61 |
| 4.873 | 15.81 | 50.99 | 0.66 | 7.21 | 35.1  | 1.98 | 41.61 |
| 4.95  | 15.81 | 50.99 | 0.66 | 7.19 | 35.14 | 1.98 | 41.61 |
| 5.009 | 15.81 | 50.99 | 0.66 | 7.19 | 35.46 | 1.98 | 41.61 |
| 5.036 | 15.81 | 50.99 | 0.66 | 7.18 | 35.28 | 1.98 | 41.61 |
| 5.042 | 15.81 | 50.99 | 0.66 | 7.18 | 34.35 | 1.94 | 41.61 |
| 5.059 | 15.81 | 50.99 | 0.66 | 7.18 | 33.96 | 1.94 | 41.61 |
| 5.091 | 15.81 | 50.99 | 0.66 | 7.19 | 34.05 | 1.94 | 41.61 |
| 5.119 | 15.81 | 50.99 | 0.66 | 7.2  | 34.27 | 1.94 | 41.61 |
| 5.154 | 15.81 | 50.99 | 0.68 | 7.21 | 33.93 | 1.97 | 41.61 |
| 5.191 | 15.81 | 50.99 | 0.68 | 7.21 | 33.78 | 1.97 | 41.61 |
| 5.212 | 15.81 | 50.99 | 0.68 | 7.2  | 33.33 | 1.97 | 41.61 |
| 5.228 | 15.81 | 50.99 | 0.68 | 7.18 | 32.77 | 1.97 | 41.61 |
| 5.262 | 15.81 | 50.99 | 0.68 | 7.17 | 32.52 | 1.97 | 41.61 |
| 5.311 | 15.81 | 50.99 | 0.68 | 7.17 | 32.44 | 2.0  | 41.61 |
| 5.34  | 15.81 | 50.99 | 0.68 | 7.18 | 32.23 | 2.0  | 41.61 |
| 5.346 | 15.81 | 50.99 | 0.68 | 7.19 | 32.21 | 2.0  | 41.61 |
| 5.369 | 15.81 | 50.99 | 0.68 | 7.2  | 31.84 | 2.0  | 41.61 |
| 5.436 | 15.81 | 50.99 | 0.66 | 7.2  | 31.26 | 1.96 | 41.61 |
| 5.51  | 15.81 | 50.99 | 0.66 | 7.2  | 30.7  | 1.96 | 41.61 |
| 5.533 | 15.81 | 50.99 | 0.68 | 7.2  | 30.44 | 2.0  | 41.61 |
| 5.566 | 15.81 | 50.99 | 0.68 | 7.21 | 30.1  | 2.0  | 41.61 |
| 5.644 | 15.81 | 50.99 | 0.68 | 7.21 | 29.74 | 2.0  | 41.61 |
| 5.701 | 15.81 | 51.0  | 0.68 | 7.2  | 29.95 | 2.0  | 41.61 |
| 5.713 | 15.82 | 51.0  | 0.68 | 7.18 | 30.78 | 2.08 | 41.61 |
| 5.715 | 15.82 | 50.99 | 0.68 | 7.18 | 30.58 | 2.08 | 41.61 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 5.717 | 15.81 | 50.99 | 0.68 | 7.18 | 30.32 | 2.08 | 41.61 |
| 5.718 | 15.81 | 50.99 | 0.66 | 7.18 | 29.99 | 2.17 | 41.61 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.34         | 46.98                  | 0.24              | 5.61              | 89.86                          | 0.67                              | 37.5               |
| <b>PROF (metros)</b> | 4.29          | 0.726                  | 0.726             | 0.96              | 4.785                          | 2.093                             | 0.726              |
| <b>MÁXIMO</b>        | 16.28         | 16.28                  | 0.78              | 7.34              | 539.05                         | 1.68                              | 41.24              |
| <b>PROF (metros)</b> | 1.005         | 4.29                   | 4.88              | 4.625             | 1.914                          | 4.88                              | 4.29               |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E05 - Punto 006                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 16.27      | 46.98               | 0.27           | 5.85           | 225.79                      | 0.7               | 37.5            |
| 1 - 2m                                                     | 16.26      | 47.04               | 0.28           | 6.4            | 192.34                      | 0.73              | 37.56           |
| 2 - 3m                                                     | 15.96      | 48.46               | 0.42           | 6.74           | 175.02                      | 0.83              | 39.14           |
| 3 - 4m                                                     | 15.44      | 49.71               | 0.64           | 7.18           | 149.61                      | 1.33              | 40.81           |
| 4 - 5m                                                     | 15.35      | 50.05               | 0.73           | 7.29           | 109.56                      | 1.59              | 41.23           |
| 5 - 6m                                                     | 15.34      | 50.06               | 0.78           | 7.34           | 90.23                       | 1.68              | 41.24           |

| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

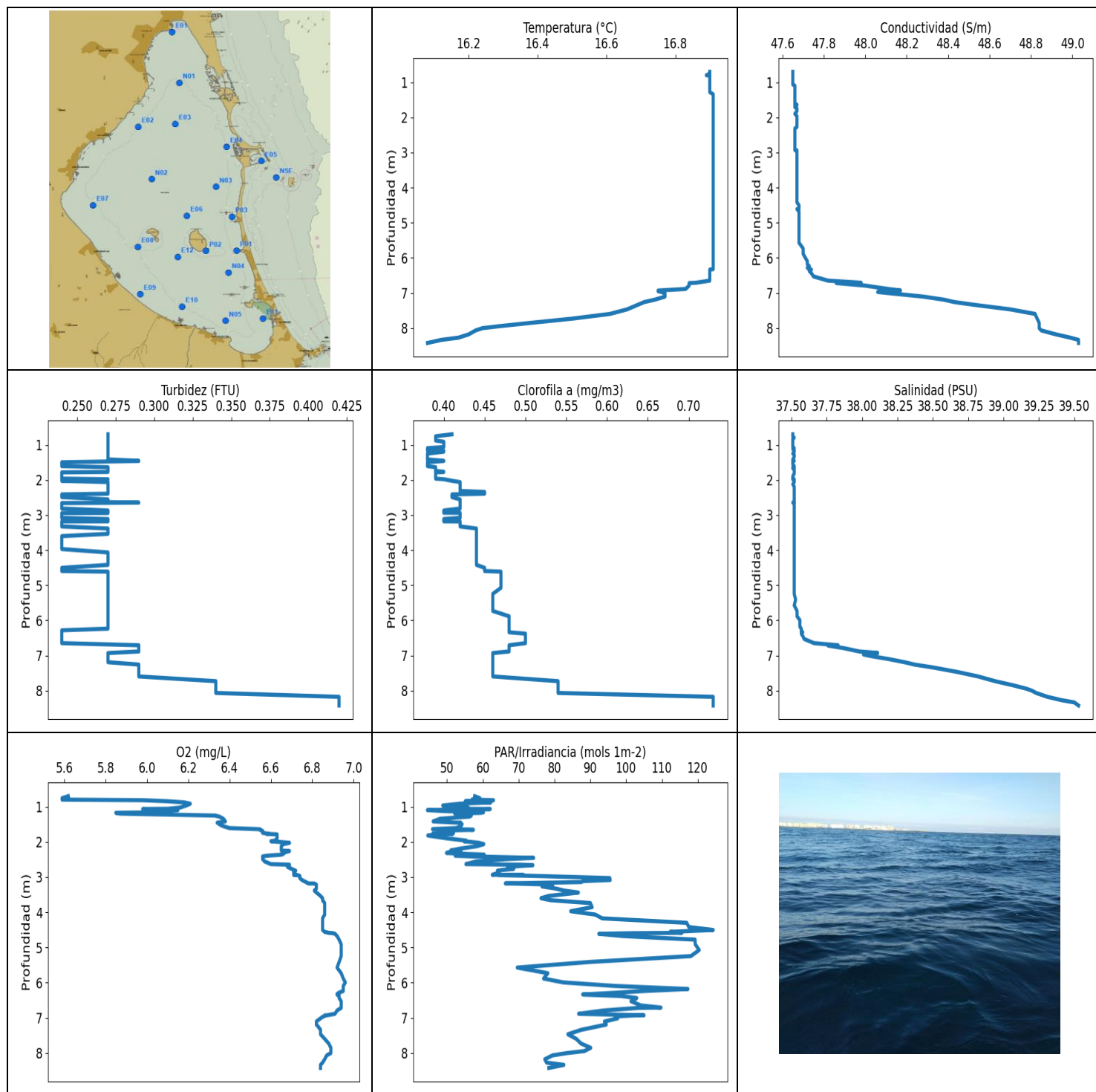
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.726                                                          | 16.27      | 46.98               | 0.24           | 5.68           | 352.69                      | 0.68              | 37.5            |
| 0.757                                                          | 16.27      | 46.98               | 0.27           | 5.72           | 286.91                      | 0.7               | 37.5            |
| 0.781                                                          | 16.27      | 46.98               | 0.27           | 5.83           | 179.17                      | 0.7               | 37.5            |
| 0.783                                                          | 16.27      | 46.98               | 0.27           | 6.15           | 309.22                      | 0.7               | 37.5            |
| 0.792                                                          | 16.27      | 46.98               | 0.24           | 6.28           | 357.33                      | 0.7               | 37.5            |
| 0.802                                                          | 16.27      | 46.98               | 0.24           | 6.37           | 162.27                      | 0.7               | 37.5            |
| 0.807                                                          | 16.27      | 46.98               | 0.29           | 6.11           | 156.81                      | 0.73              | 37.5            |
| 0.808                                                          | 16.27      | 46.98               | 0.29           | 5.98           | 244.2                       | 0.73              | 37.5            |
| 0.839                                                          | 16.27      | 46.98               | 0.29           | 5.88           | 289.23                      | 0.73              | 37.5            |
| 0.869                                                          | 16.27      | 46.98               | 0.29           | 5.81           | 284.05                      | 0.73              | 37.5            |
| 0.883                                                          | 16.27      | 46.98               | 0.24           | 5.67           | 162.13                      | 0.7               | 37.5            |
| 0.904                                                          | 16.27      | 46.98               | 0.27           | 5.65           | 149.58                      | 0.69              | 37.5            |
| 0.932                                                          | 16.27      | 46.98               | 0.27           | 5.63           | 202.54                      | 0.69              | 37.5            |
| 0.96                                                           | 16.27      | 46.98               | 0.27           | 5.61           | 181.41                      | 0.69              | 37.5            |
| 0.976                                                          | 16.27      | 46.98               | 0.27           | 5.62           | 166.6                       | 0.69              | 37.5            |
| 0.987                                                          | 16.27      | 46.98               | 0.27           | 5.63           | 128.51                      | 0.69              | 37.5            |
| 1.005                                                          | 16.28      | 46.98               | 0.27           | 5.67           | 123.57                      | 0.7               | 37.5            |
| 1.026                                                          | 16.28      | 46.98               | 0.27           | 5.73           | 129.64                      | 0.7               | 37.5            |
| 1.047                                                          | 16.28      | 46.98               | 0.27           | 5.95           | 246.34                      | 0.74              | 37.5            |
| 1.055                                                          | 16.28      | 46.98               | 0.27           | 6.0            | 131.0                       | 0.74              | 37.5            |
| 1.069                                                          | 16.28      | 46.98               | 0.27           | 6.03           | 191.98                      | 0.74              | 37.5            |
| 1.077                                                          | 16.28      | 46.98               | 0.27           | 6.05           | 131.03                      | 0.74              | 37.5            |
| 1.1                                                            | 16.28      | 46.99               | 0.27           | 6.04           | 190.52                      | 0.74              | 37.5            |
| 1.131                                                          | 16.28      | 46.98               | 0.27           | 6.03           | 131.08                      | 0.73              | 37.5            |
| 1.148                                                          | 16.28      | 46.98               | 0.27           | 6.03           | 179.99                      | 0.73              | 37.5            |
| 1.161                                                          | 16.28      | 46.99               | 0.27           | 6.05           | 124.9                       | 0.73              | 37.5            |
| 1.173                                                          | 16.28      | 46.98               | 0.27           | 6.08           | 350.47                      | 0.73              | 37.5            |
| 1.193                                                          | 16.27      | 46.99               | 0.29           | 6.14           | 194.54                      | 0.73              | 37.51           |
| 1.226                                                          | 16.27      | 46.99               | 0.29           | 6.2            | 262.86                      | 0.73              | 37.51           |
| 1.255                                                          | 16.27      | 46.99               | 0.29           | 6.27           | 199.96                      | 0.73              | 37.51           |
| 1.282                                                          | 16.27      | 46.99               | 0.29           | 6.33           | 203.74                      | 0.73              | 37.51           |
| 1.296                                                          | 16.27      | 46.99               | 0.27           | 6.34           | 161.53                      | 0.74              | 37.51           |
| 1.305                                                          | 16.27      | 46.99               | 0.27           | 6.28           | 213.5                       | 0.73              | 37.51           |
| 1.325                                                          | 16.27      | 46.99               | 0.27           | 6.23           | 161.74                      | 0.73              | 37.51           |
| 1.348                                                          | 16.27      | 46.99               | 0.27           | 6.19           | 119.71                      | 0.73              | 37.51           |
| 1.361                                                          | 16.27      | 46.99               | 0.27           | 6.2            | 188.0                       | 0.73              | 37.51           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.374 | 16.27 | 46.99 | 0.27 | 6.25 | 119.55 | 0.73 | 37.51 |
| 1.389 | 16.27 | 46.99 | 0.27 | 6.32 | 115.43 | 0.73 | 37.51 |
| 1.404 | 16.28 | 46.99 | 0.27 | 6.65 | 135.05 | 0.71 | 37.51 |
| 1.408 | 16.28 | 46.99 | 0.27 | 6.64 | 138.09 | 0.71 | 37.51 |
| 1.424 | 16.27 | 46.99 | 0.27 | 6.6  | 133.56 | 0.71 | 37.51 |
| 1.462 | 16.27 | 46.99 | 0.27 | 6.53 | 130.69 | 0.74 | 37.51 |
| 1.479 | 16.27 | 46.99 | 0.29 | 6.47 | 159.74 | 0.76 | 37.51 |
| 1.486 | 16.26 | 46.99 | 0.29 | 6.5  | 130.74 | 0.76 | 37.52 |
| 1.513 | 16.26 | 46.98 | 0.29 | 6.53 | 154.04 | 0.76 | 37.52 |
| 1.527 | 16.26 | 46.99 | 0.29 | 6.62 | 200.26 | 0.74 | 37.52 |
| 1.537 | 16.26 | 46.99 | 0.29 | 6.6  | 148.51 | 0.74 | 37.52 |
| 1.56  | 16.26 | 46.98 | 0.32 | 6.59 | 214.01 | 0.74 | 37.52 |
| 1.586 | 16.25 | 46.98 | 0.32 | 6.58 | 219.44 | 0.74 | 37.52 |
| 1.605 | 16.25 | 46.98 | 0.32 | 6.58 | 191.6  | 0.74 | 37.52 |
| 1.617 | 16.25 | 46.98 | 0.32 | 6.59 | 253.19 | 0.74 | 37.53 |
| 1.627 | 16.25 | 46.99 | 0.27 | 6.59 | 240.3  | 0.74 | 37.53 |
| 1.638 | 16.25 | 46.99 | 0.27 | 6.59 | 132.58 | 0.74 | 37.53 |
| 1.647 | 16.25 | 46.99 | 0.27 | 6.59 | 184.56 | 0.74 | 37.53 |
| 1.679 | 16.25 | 46.99 | 0.27 | 6.58 | 189.69 | 0.74 | 37.53 |
| 1.715 | 16.25 | 46.99 | 0.29 | 6.56 | 201.05 | 0.73 | 37.53 |
| 1.739 | 16.25 | 47.0  | 0.29 | 6.55 | 139.72 | 0.73 | 37.55 |
| 1.755 | 16.25 | 47.0  | 0.29 | 6.58 | 125.96 | 0.73 | 37.55 |
| 1.762 | 16.24 | 47.05 | 0.27 | 6.65 | 395.84 | 0.74 | 37.59 |
| 1.787 | 16.24 | 47.03 | 0.27 | 6.63 | 257.87 | 0.76 | 37.58 |
| 1.821 | 16.24 | 47.03 | 0.27 | 6.6  | 355.55 | 0.76 | 37.58 |
| 1.844 | 16.24 | 47.03 | 0.27 | 6.58 | 98.83  | 0.76 | 37.58 |
| 1.863 | 16.25 | 47.31 | 0.27 | 6.64 | 356.09 | 0.75 | 37.82 |
| 1.867 | 16.25 | 47.27 | 0.27 | 6.65 | 154.54 | 0.74 | 37.78 |
| 1.887 | 16.25 | 47.25 | 0.27 | 6.65 | 276.96 | 0.74 | 37.76 |
| 1.914 | 16.25 | 47.28 | 0.27 | 6.65 | 539.05 | 0.74 | 37.79 |
| 1.94  | 16.25 | 47.25 | 0.27 | 6.65 | 131.2  | 0.74 | 37.77 |
| 1.959 | 16.25 | 47.27 | 0.27 | 6.64 | 128.09 | 0.74 | 37.78 |
| 1.964 | 16.26 | 47.41 | 0.29 | 6.6  | 197.79 | 0.69 | 37.9  |
| 1.977 | 16.26 | 47.41 | 0.29 | 6.58 | 200.83 | 0.69 | 37.9  |
| 2.004 | 16.26 | 47.39 | 0.29 | 6.57 | 273.37 | 0.69 | 37.88 |
| 2.02  | 16.26 | 47.38 | 0.29 | 6.57 | 270.7  | 0.69 | 37.87 |
| 2.026 | 16.27 | 47.5  | 0.32 | 6.59 | 151.21 | 0.68 | 37.97 |
| 2.032 | 16.27 | 47.52 | 0.32 | 6.6  | 266.9  | 0.68 | 37.99 |
| 2.043 | 16.27 | 47.55 | 0.32 | 6.62 | 135.94 | 0.68 | 38.02 |
| 2.048 | 16.24 | 47.75 | 0.29 | 6.52 | 167.88 | 0.68 | 38.23 |
| 2.06  | 16.24 | 47.74 | 0.29 | 6.5  | 185.08 | 0.68 | 38.21 |
| 2.089 | 16.25 | 47.75 | 0.29 | 6.48 | 129.44 | 0.68 | 38.22 |
| 2.093 | 16.24 | 47.74 | 0.32 | 6.49 | 196.59 | 0.67 | 38.21 |
| 2.108 | 16.25 | 47.67 | 0.32 | 6.48 | 164.69 | 0.67 | 38.15 |
| 2.119 | 16.26 | 47.73 | 0.32 | 6.47 | 159.15 | 0.69 | 38.19 |
| 2.121 | 16.26 | 47.73 | 0.32 | 6.48 | 198.39 | 0.69 | 38.19 |
| 2.134 | 16.26 | 47.71 | 0.32 | 6.49 | 131.89 | 0.69 | 38.17 |
| 2.136 | 16.24 | 47.96 | 0.34 | 6.51 | 218.68 | 0.67 | 38.41 |
| 2.158 | 16.24 | 47.9  | 0.34 | 6.51 | 188.54 | 0.67 | 38.36 |
| 2.193 | 16.24 | 47.93 | 0.34 | 6.51 | 121.04 | 0.67 | 38.39 |
| 2.211 | 16.23 | 48.13 | 0.32 | 6.51 | 193.15 | 0.68 | 38.57 |
| 2.219 | 16.22 | 48.2  | 0.32 | 6.51 | 269.58 | 0.68 | 38.65 |
| 2.23  | 16.21 | 48.18 | 0.32 | 6.51 | 242.35 | 0.68 | 38.64 |
| 2.243 | 16.2  | 48.16 | 0.32 | 6.51 | 166.89 | 0.68 | 38.64 |
| 2.254 | 16.2  | 48.18 | 0.32 | 6.51 | 208.58 | 0.68 | 38.65 |
| 2.265 | 16.19 | 48.19 | 0.32 | 6.52 | 255.19 | 0.68 | 38.66 |
| 2.268 | 16.12 | 48.3  | 0.39 | 6.54 | 124.22 | 0.7  | 38.84 |
| 2.281 | 16.13 | 48.29 | 0.39 | 6.55 | 250.78 | 0.7  | 38.82 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.307 | 16.13 | 48.3  | 0.37 | 6.56 | 196.8  | 0.7  | 38.82 |
| 2.336 | 16.07 | 48.37 | 0.49 | 6.69 | 180.07 | 0.77 | 38.96 |
| 2.343 | 16.08 | 48.38 | 0.49 | 6.7  | 201.88 | 0.77 | 38.95 |
| 2.354 | 16.08 | 48.4  | 0.39 | 6.69 | 167.95 | 0.79 | 38.96 |
| 2.374 | 16.08 | 48.44 | 0.39 | 6.69 | 162.73 | 0.79 | 39.0  |
| 2.401 | 16.07 | 48.5  | 0.39 | 6.68 | 213.46 | 0.79 | 39.07 |
| 2.415 | 15.98 | 48.54 | 0.44 | 6.71 | 157.81 | 0.81 | 39.2  |
| 2.437 | 15.97 | 48.54 | 0.44 | 6.72 | 157.81 | 0.81 | 39.21 |
| 2.449 | 15.94 | 48.62 | 0.46 | 6.78 | 170.05 | 0.82 | 39.31 |
| 2.465 | 15.93 | 48.62 | 0.46 | 6.8  | 159.22 | 0.82 | 39.32 |
| 2.509 | 15.92 | 48.66 | 0.46 | 6.81 | 168.98 | 0.82 | 39.36 |
| 2.557 | 15.9  | 48.71 | 0.46 | 6.81 | 123.17 | 0.82 | 39.43 |
| 2.587 | 15.68 | 49.01 | 0.51 | 6.83 | 137.25 | 0.87 | 39.92 |
| 2.591 | 15.68 | 48.89 | 0.46 | 6.83 | 171.39 | 0.92 | 39.82 |
| 2.612 | 15.7  | 48.85 | 0.46 | 6.83 | 172.55 | 0.92 | 39.75 |
| 2.641 | 15.73 | 48.92 | 0.46 | 6.83 | 157.4  | 0.92 | 39.79 |
| 2.664 | 15.72 | 49.03 | 0.46 | 6.83 | 140.12 | 0.92 | 39.9  |
| 2.674 | 15.7  | 49.09 | 0.49 | 6.84 | 128.71 | 0.94 | 39.98 |
| 2.685 | 15.66 | 49.1  | 0.49 | 6.86 | 134.79 | 0.94 | 40.03 |
| 2.687 | 15.62 | 49.08 | 0.54 | 6.99 | 165.48 | 0.99 | 40.05 |
| 2.725 | 15.63 | 49.03 | 0.54 | 7.0  | 121.17 | 0.99 | 40.0  |
| 2.783 | 15.64 | 49.04 | 0.49 | 7.0  | 218.39 | 1.0  | 39.99 |
| 2.83  | 15.65 | 49.1  | 0.49 | 7.02 | 166.93 | 1.0  | 40.04 |
| 2.854 | 15.64 | 49.19 | 0.49 | 7.04 | 149.25 | 1.0  | 40.13 |
| 2.866 | 15.62 | 49.23 | 0.49 | 7.07 | 153.91 | 1.0  | 40.19 |
| 2.876 | 15.58 | 49.27 | 0.61 | 7.12 | 134.0  | 1.14 | 40.26 |
| 2.877 | 15.57 | 49.26 | 0.61 | 7.14 | 117.64 | 1.14 | 40.27 |
| 2.883 | 15.57 | 49.23 | 0.61 | 7.15 | 158.26 | 1.14 | 40.24 |
| 2.884 | 15.57 | 49.25 | 0.61 | 7.14 | 201.13 | 1.14 | 40.26 |
| 2.891 | 15.57 | 49.21 | 0.51 | 7.13 | 217.59 | 1.1  | 40.22 |
| 2.908 | 15.58 | 49.2  | 0.51 | 7.11 | 111.74 | 1.1  | 40.2  |
| 2.946 | 15.59 | 49.21 | 0.51 | 7.1  | 122.77 | 1.1  | 40.2  |
| 2.991 | 15.59 | 49.24 | 0.51 | 7.09 | 165.7  | 1.1  | 40.23 |
| 3.023 | 15.58 | 49.34 | 0.61 | 7.08 | 170.31 | 1.14 | 40.32 |
| 3.041 | 15.56 | 49.38 | 0.61 | 7.08 | 166.09 | 1.14 | 40.38 |
| 3.054 | 15.55 | 49.4  | 0.61 | 7.06 | 152.44 | 1.14 | 40.42 |
| 3.071 | 15.53 | 49.41 | 0.61 | 7.06 | 151.35 | 1.14 | 40.45 |
| 3.081 | 15.52 | 49.44 | 0.61 | 7.05 | 224.37 | 1.14 | 40.48 |
| 3.102 | 15.51 | 49.46 | 0.61 | 7.06 | 189.44 | 1.21 | 40.51 |
| 3.138 | 15.51 | 49.46 | 0.61 | 7.07 | 158.74 | 1.21 | 40.52 |
| 3.167 | 15.5  | 49.49 | 0.61 | 7.08 | 133.48 | 1.21 | 40.55 |
| 3.181 | 15.49 | 49.51 | 0.61 | 7.1  | 128.29 | 1.21 | 40.58 |
| 3.192 | 15.49 | 49.53 | 0.68 | 7.12 | 162.41 | 1.26 | 40.6  |
| 3.214 | 15.48 | 49.55 | 0.68 | 7.13 | 185.52 | 1.26 | 40.62 |
| 3.24  | 15.47 | 49.57 | 0.68 | 7.14 | 144.96 | 1.26 | 40.65 |
| 3.254 | 15.47 | 49.57 | 0.68 | 7.15 | 133.07 | 1.26 | 40.66 |
| 3.256 | 15.46 | 49.58 | 0.68 | 7.15 | 131.2  | 1.26 | 40.68 |
| 3.258 | 15.46 | 49.58 | 0.63 | 7.17 | 141.22 | 1.29 | 40.67 |
| 3.263 | 15.46 | 49.55 | 0.56 | 7.18 | 151.87 | 1.28 | 40.65 |
| 3.274 | 15.46 | 49.55 | 0.56 | 7.19 | 182.12 | 1.28 | 40.64 |
| 3.277 | 15.47 | 49.55 | 0.56 | 7.19 | 178.28 | 1.28 | 40.64 |
| 3.29  | 15.47 | 49.55 | 0.56 | 7.19 | 158.98 | 1.28 | 40.64 |
| 3.316 | 15.47 | 49.56 | 0.63 | 7.19 | 138.93 | 1.29 | 40.65 |
| 3.341 | 15.47 | 49.56 | 0.63 | 7.19 | 162.45 | 1.29 | 40.65 |
| 3.354 | 15.47 | 49.59 | 0.63 | 7.19 | 166.57 | 1.29 | 40.68 |
| 3.366 | 15.47 | 49.6  | 0.63 | 7.19 | 141.9  | 1.29 | 40.69 |
| 3.398 | 15.46 | 49.64 | 0.63 | 7.18 | 114.43 | 1.29 | 40.73 |
| 3.441 | 15.45 | 49.7  | 0.68 | 7.17 | 140.76 | 1.34 | 40.79 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.474 | 15.44 | 49.84 | 0.68 | 7.18 | 162.87 | 1.34 | 40.94 |
| 3.485 | 15.42 | 49.89 | 0.68 | 7.19 | 173.53 | 1.34 | 41.0  |
| 3.491 | 15.4  | 49.89 | 0.68 | 7.21 | 126.84 | 1.34 | 41.03 |
| 3.521 | 15.39 | 49.92 | 0.63 | 7.21 | 143.8  | 1.43 | 41.06 |
| 3.57  | 15.38 | 49.95 | 0.63 | 7.22 | 153.47 | 1.43 | 41.1  |
| 3.596 | 15.36 | 49.94 | 0.61 | 7.22 | 151.87 | 1.44 | 41.11 |
| 3.617 | 15.37 | 49.9  | 0.61 | 7.21 | 125.47 | 1.44 | 41.07 |
| 3.665 | 15.38 | 49.91 | 0.61 | 7.21 | 142.21 | 1.45 | 41.07 |
| 3.705 | 15.38 | 49.94 | 0.61 | 7.21 | 149.81 | 1.45 | 41.09 |
| 3.73  | 15.38 | 49.94 | 0.61 | 7.23 | 136.86 | 1.45 | 41.1  |
| 3.744 | 15.38 | 49.96 | 0.61 | 7.24 | 132.49 | 1.45 | 41.11 |
| 3.766 | 15.37 | 49.95 | 0.68 | 7.27 | 130.37 | 1.48 | 41.11 |
| 3.779 | 15.37 | 49.97 | 0.68 | 7.29 | 127.7  | 1.48 | 41.13 |
| 3.795 | 15.37 | 49.98 | 0.68 | 7.31 | 118.98 | 1.48 | 41.14 |
| 3.837 | 15.37 | 49.98 | 0.68 | 7.3  | 112.62 | 1.48 | 41.14 |
| 3.868 | 15.37 | 50.0  | 0.68 | 7.29 | 138.87 | 1.48 | 41.17 |
| 3.887 | 15.36 | 50.01 | 0.68 | 7.28 | 176.27 | 1.5  | 41.18 |
| 3.922 | 15.36 | 50.01 | 0.68 | 7.28 | 151.28 | 1.5  | 41.19 |
| 3.967 | 15.36 | 50.03 | 0.68 | 7.26 | 118.25 | 1.5  | 41.2  |
| 4.01  | 15.35 | 50.04 | 0.68 | 7.25 | 119.99 | 1.5  | 41.22 |
| 4.042 | 15.35 | 50.04 | 0.76 | 7.25 | 134.53 | 1.52 | 41.22 |
| 4.066 | 15.35 | 50.05 | 0.76 | 7.25 | 141.1  | 1.52 | 41.23 |
| 4.107 | 15.35 | 50.04 | 0.76 | 7.24 | 131.83 | 1.52 | 41.22 |
| 4.165 | 15.35 | 50.04 | 0.76 | 7.24 | 127.37 | 1.52 | 41.22 |
| 4.215 | 15.35 | 50.05 | 0.76 | 7.24 | 124.68 | 1.52 | 41.23 |
| 4.255 | 15.35 | 50.05 | 0.76 | 7.25 | 117.31 | 1.52 | 41.23 |
| 4.29  | 15.34 | 50.06 | 0.76 | 7.26 | 116.82 | 1.52 | 41.24 |
| 4.317 | 15.34 | 50.05 | 0.76 | 7.26 | 116.59 | 1.52 | 41.24 |
| 4.332 | 15.34 | 50.05 | 0.76 | 7.26 | 113.71 | 1.52 | 41.24 |
| 4.338 | 15.34 | 50.05 | 0.71 | 7.25 | 107.45 | 1.57 | 41.24 |
| 4.368 | 15.34 | 50.05 | 0.71 | 7.26 | 106.87 | 1.57 | 41.24 |
| 4.416 | 15.34 | 50.05 | 0.71 | 7.27 | 111.21 | 1.57 | 41.24 |
| 4.438 | 15.35 | 50.05 | 0.68 | 7.31 | 112.97 | 1.6  | 41.23 |
| 4.441 | 15.35 | 50.05 | 0.68 | 7.32 | 114.63 | 1.6  | 41.23 |
| 4.451 | 15.35 | 50.05 | 0.68 | 7.33 | 108.34 | 1.6  | 41.23 |
| 4.458 | 15.35 | 50.05 | 0.73 | 7.33 | 106.87 | 1.63 | 41.22 |
| 4.468 | 15.35 | 50.05 | 0.73 | 7.33 | 104.09 | 1.63 | 41.22 |
| 4.481 | 15.35 | 50.05 | 0.73 | 7.33 | 104.7  | 1.63 | 41.22 |
| 4.491 | 15.35 | 50.04 | 0.68 | 7.26 | 99.46  | 1.67 | 41.22 |
| 4.539 | 15.35 | 50.03 | 0.68 | 7.26 | 100.39 | 1.67 | 41.21 |
| 4.625 | 15.34 | 50.06 | 0.71 | 7.34 | 96.32  | 1.65 | 41.24 |
| 4.637 | 15.35 | 50.05 | 0.71 | 7.33 | 92.98  | 1.65 | 41.23 |
| 4.693 | 15.35 | 50.05 | 0.71 | 7.32 | 90.56  | 1.65 | 41.23 |
| 4.785 | 15.35 | 50.06 | 0.71 | 7.32 | 89.86  | 1.65 | 41.23 |
| 4.88  | 15.35 | 50.06 | 0.78 | 7.33 | 94.58  | 1.68 | 41.23 |
| 4.953 | 15.35 | 50.06 | 0.78 | 7.33 | 91.86  | 1.68 | 41.24 |
| 4.996 | 15.34 | 50.06 | 0.78 | 7.34 | 90.68  | 1.68 | 41.24 |
| 5.011 | 15.34 | 50.06 | 0.78 | 7.34 | 90.23  | 1.68 | 41.24 |


**VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE**

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 16.08         | 47.65                  | 0.24              | 5.59              | 44.56                          | 0.38                              | 37.51              |
| <b>PROF (metros)</b> | 8.424         | 0.701                  | 1.497             | 0.756             | 1.096                          | 1.096                             | 0.701              |
| <b>MÁXIMO</b>        | 16.91         | 16.91                  | 0.42              | 6.96              | 124.3                          | 0.73                              | 39.53              |
| <b>PROF (metros)</b> | 1.342         | 8.336                  | 8.177             | 5.993             | 4.503                          | 8.177                             | 8.424              |

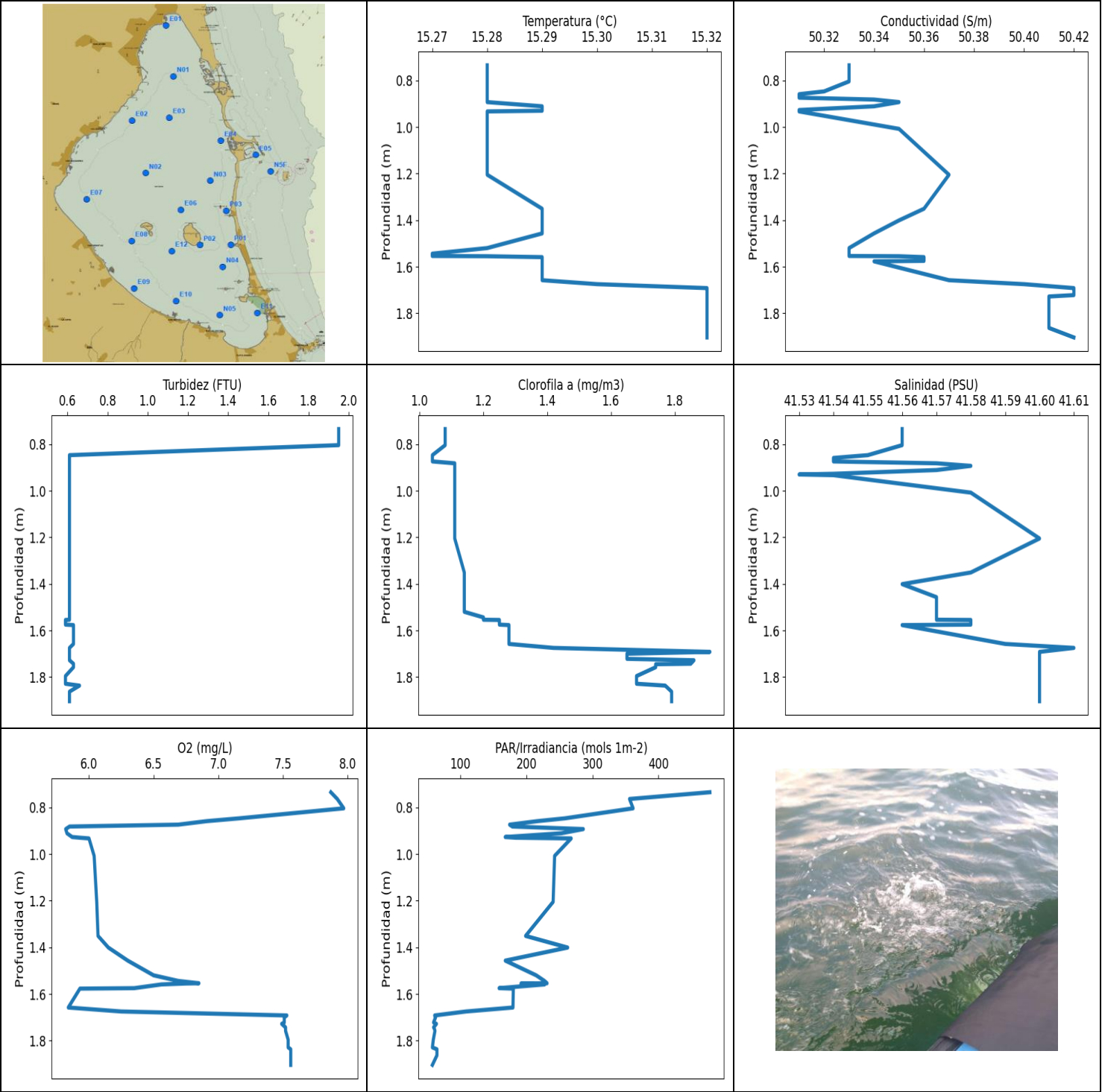
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N5F - Punto 007                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 16.9       | 47.65               | 0.27           | 5.93           | 57.08                       | 0.39              | 37.51           |
| 1 - 2m                                                     | 16.91      | 47.66               | 0.26           | 6.38           | 52.48                       | 0.39              | 37.51           |
| 2 - 3m                                                     | 16.91      | 47.67               | 0.26           | 6.66           | 61.47                       | 0.42              | 37.52           |
| 3 - 4m                                                     | 16.91      | 47.67               | 0.25           | 6.81           | 82.68                       | 0.43              | 37.52           |
| 4 - 5m                                                     | 16.91      | 47.67               | 0.26           | 6.88           | 108.61                      | 0.45              | 37.52           |
| 5 - 6m                                                     | 16.91      | 47.69               | 0.27           | 6.94           | 90.79                       | 0.47              | 37.53           |
| 6 - 7m                                                     | 16.86      | 47.87               | 0.26           | 6.92           | 99.33                       | 0.48              | 37.74           |
| 7 - 8m                                                     | 16.61      | 48.58               | 0.3            | 6.85           | 90.06                       | 0.49              | 38.61           |
| 8 - 9m                                                     | 16.17      | 48.94               | 0.39           | 6.86           | 79.85                       | 0.67              | 39.36           |

| 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                                                          | 16.9       | 47.65               | 0.27           | 5.62           | 57.74                       | 0.41              | 37.51           |
| 0.756                                                          | 16.9       | 47.65               | 0.27           | 5.59           | 59.16                       | 0.39              | 37.51           |
| 0.798                                                          | 16.89      | 47.65               | 0.27           | 5.59           | 56.98                       | 0.39              | 37.52           |
| 0.814                                                          | 16.9       | 47.65               | 0.27           | 5.98           | 63.0                        | 0.39              | 37.51           |
| 0.844                                                          | 16.9       | 47.65               | 0.27           | 6.1            | 55.12                       | 0.39              | 37.51           |
| 0.876                                                          | 16.9       | 47.65               | 0.27           | 6.18           | 62.24                       | 0.39              | 37.51           |
| 0.914                                                          | 16.9       | 47.65               | 0.27           | 6.21           | 53.58                       | 0.4               | 37.51           |
| 0.966                                                          | 16.9       | 47.65               | 0.27           | 6.19           | 48.83                       | 0.4               | 37.51           |
| 1.025                                                          | 16.9       | 47.65               | 0.27           | 6.16           | 55.98                       | 0.4               | 37.51           |
| 1.059                                                          | 16.9       | 47.65               | 0.27           | 6.1            | 55.48                       | 0.4               | 37.51           |
| 1.064                                                          | 16.9       | 47.65               | 0.27           | 5.98           | 62.08                       | 0.4               | 37.51           |
| 1.096                                                          | 16.9       | 47.66               | 0.27           | 6.15           | 44.56                       | 0.38              | 37.52           |
| 1.12                                                           | 16.9       | 47.66               | 0.27           | 6.09           | 48.71                       | 0.38              | 37.51           |
| 1.16                                                           | 16.9       | 47.66               | 0.27           | 6.03           | 60.19                       | 0.38              | 37.52           |
| 1.173                                                          | 16.9       | 47.66               | 0.27           | 5.85           | 59.37                       | 0.4               | 37.52           |
| 1.195                                                          | 16.9       | 47.66               | 0.27           | 5.87           | 52.18                       | 0.4               | 37.52           |
| 1.251                                                          | 16.9       | 47.66               | 0.27           | 6.33           | 56.8                        | 0.38              | 37.51           |
| 1.28                                                           | 16.9       | 47.66               | 0.27           | 6.35           | 56.28                       | 0.38              | 37.52           |
| 1.342                                                          | 16.91      | 47.66               | 0.27           | 6.37           | 48.07                       | 0.38              | 37.52           |
| 1.417                                                          | 16.91      | 47.66               | 0.27           | 6.38           | 46.15                       | 0.38              | 37.51           |
| 1.456                                                          | 16.91      | 47.66               | 0.29           | 6.34           | 53.91                       | 0.4               | 37.52           |
| 1.46                                                           | 16.91      | 47.66               | 0.29           | 6.35           | 53.5                        | 0.4               | 37.51           |
| 1.497                                                          | 16.91      | 47.66               | 0.24           | 6.35           | 54.22                       | 0.38              | 37.51           |
| 1.553                                                          | 16.91      | 47.66               | 0.24           | 6.37           | 53.9                        | 0.38              | 37.51           |
| 1.607                                                          | 16.91      | 47.66               | 0.24           | 6.4            | 52.59                       | 0.38              | 37.52           |
| 1.637                                                          | 16.91      | 47.67               | 0.27           | 6.54           | 45.96                       | 0.39              | 37.52           |
| 1.646                                                          | 16.91      | 47.67               | 0.27           | 6.55           | 55.54                       | 0.39              | 37.51           |
| 1.656                                                          | 16.91      | 47.66               | 0.27           | 6.55           | 57.39                       | 0.39              | 37.51           |
| 1.669                                                          | 16.91      | 47.66               | 0.27           | 6.55           | 51.93                       | 0.39              | 37.51           |
| 1.686                                                          | 16.91      | 47.66               | 0.27           | 6.56           | 49.46                       | 0.39              | 37.52           |
| 1.708                                                          | 16.91      | 47.66               | 0.27           | 6.56           | 47.45                       | 0.39              | 37.52           |
| 1.742                                                          | 16.91      | 47.67               | 0.27           | 6.56           | 51.85                       | 0.39              | 37.52           |
| 1.769                                                          | 16.91      | 47.67               | 0.27           | 6.59           | 45.98                       | 0.4               | 37.52           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.772 | 16.91 | 47.67 | 0.27 | 6.58 | 51.6  | 0.4  | 37.52 |
| 1.785 | 16.91 | 47.67 | 0.24 | 6.63 | 48.11 | 0.39 | 37.52 |
| 1.818 | 16.91 | 47.67 | 0.24 | 6.63 | 44.66 | 0.39 | 37.52 |
| 1.898 | 16.91 | 47.66 | 0.24 | 6.63 | 49.98 | 0.39 | 37.51 |
| 1.963 | 16.91 | 47.67 | 0.24 | 6.62 | 55.38 | 0.39 | 37.51 |
| 1.979 | 16.91 | 47.67 | 0.27 | 6.6  | 55.23 | 0.4  | 37.52 |
| 1.98  | 16.91 | 47.67 | 0.27 | 6.6  | 54.75 | 0.4  | 37.51 |
| 2.025 | 16.91 | 47.67 | 0.24 | 6.69 | 58.9  | 0.41 | 37.52 |
| 2.062 | 16.91 | 47.67 | 0.27 | 6.66 | 60.28 | 0.42 | 37.52 |
| 2.123 | 16.91 | 47.67 | 0.27 | 6.65 | 58.33 | 0.42 | 37.51 |
| 2.19  | 16.91 | 47.67 | 0.27 | 6.65 | 53.67 | 0.42 | 37.52 |
| 2.243 | 16.91 | 47.67 | 0.27 | 6.65 | 51.07 | 0.42 | 37.52 |
| 2.259 | 16.91 | 47.67 | 0.27 | 6.69 | 53.9  | 0.42 | 37.52 |
| 2.273 | 16.91 | 47.67 | 0.27 | 6.68 | 51.2  | 0.42 | 37.52 |
| 2.314 | 16.91 | 47.66 | 0.27 | 6.66 | 49.86 | 0.42 | 37.52 |
| 2.343 | 16.91 | 47.66 | 0.27 | 6.66 | 55.82 | 0.45 | 37.52 |
| 2.36  | 16.91 | 47.66 | 0.27 | 6.65 | 60.38 | 0.45 | 37.52 |
| 2.368 | 16.91 | 47.66 | 0.27 | 6.64 | 57.85 | 0.45 | 37.52 |
| 2.379 | 16.91 | 47.66 | 0.27 | 6.61 | 53.7  | 0.45 | 37.52 |
| 2.393 | 16.91 | 47.66 | 0.27 | 6.58 | 52.3  | 0.45 | 37.52 |
| 2.412 | 16.91 | 47.66 | 0.24 | 6.56 | 57.25 | 0.41 | 37.52 |
| 2.453 | 16.91 | 47.66 | 0.24 | 6.56 | 74.2  | 0.41 | 37.52 |
| 2.489 | 16.91 | 47.66 | 0.24 | 6.56 | 66.58 | 0.41 | 37.52 |
| 2.555 | 16.91 | 47.66 | 0.27 | 6.57 | 58.1  | 0.42 | 37.52 |
| 2.631 | 16.91 | 47.66 | 0.27 | 6.6  | 55.29 | 0.42 | 37.52 |
| 2.647 | 16.91 | 47.66 | 0.29 | 6.69 | 70.24 | 0.42 | 37.51 |
| 2.66  | 16.91 | 47.66 | 0.24 | 6.69 | 73.98 | 0.42 | 37.52 |
| 2.709 | 16.91 | 47.66 | 0.24 | 6.68 | 66.88 | 0.42 | 37.52 |
| 2.767 | 16.91 | 47.66 | 0.24 | 6.7  | 68.62 | 0.42 | 37.52 |
| 2.794 | 16.91 | 47.66 | 0.24 | 6.71 | 65.67 | 0.42 | 37.52 |
| 2.816 | 16.91 | 47.66 | 0.24 | 6.72 | 64.09 | 0.42 | 37.52 |
| 2.87  | 16.91 | 47.66 | 0.27 | 6.71 | 64.54 | 0.4  | 37.52 |
| 2.934 | 16.91 | 47.66 | 0.27 | 6.72 | 62.64 | 0.4  | 37.52 |
| 2.936 | 16.91 | 47.67 | 0.27 | 6.71 | 71.34 | 0.42 | 37.52 |
| 2.942 | 16.91 | 47.67 | 0.27 | 6.72 | 67.03 | 0.42 | 37.52 |
| 2.943 | 16.91 | 47.67 | 0.24 | 6.73 | 64.56 | 0.42 | 37.52 |
| 2.969 | 16.91 | 47.67 | 0.24 | 6.74 | 75.7  | 0.42 | 37.52 |
| 3.027 | 16.91 | 47.67 | 0.24 | 6.74 | 95.44 | 0.42 | 37.52 |
| 3.082 | 16.91 | 47.67 | 0.24 | 6.75 | 95.55 | 0.42 | 37.52 |
| 3.113 | 16.91 | 47.67 | 0.27 | 6.76 | 88.02 | 0.4  | 37.52 |
| 3.141 | 16.91 | 47.67 | 0.27 | 6.77 | 87.44 | 0.4  | 37.52 |
| 3.179 | 16.91 | 47.67 | 0.27 | 6.78 | 66.29 | 0.4  | 37.52 |
| 3.182 | 16.91 | 47.67 | 0.24 | 6.81 | 68.31 | 0.42 | 37.52 |
| 3.213 | 16.91 | 47.67 | 0.24 | 6.82 | 79.54 | 0.42 | 37.52 |
| 3.264 | 16.91 | 47.67 | 0.24 | 6.82 | 76.5  | 0.42 | 37.52 |
| 3.325 | 16.91 | 47.67 | 0.24 | 6.82 | 80.34 | 0.42 | 37.52 |
| 3.383 | 16.91 | 47.67 | 0.27 | 6.81 | 82.76 | 0.44 | 37.52 |
| 3.439 | 16.91 | 47.67 | 0.27 | 6.82 | 86.67 | 0.44 | 37.52 |
| 3.484 | 16.91 | 47.67 | 0.27 | 6.83 | 82.81 | 0.44 | 37.52 |
| 3.536 | 16.91 | 47.67 | 0.27 | 6.84 | 78.34 | 0.44 | 37.52 |
| 3.6   | 16.91 | 47.67 | 0.24 | 6.85 | 76.25 | 0.44 | 37.52 |
| 3.656 | 16.91 | 47.67 | 0.24 | 6.85 | 78.97 | 0.44 | 37.52 |
| 3.738 | 16.91 | 47.67 | 0.24 | 6.86 | 90.03 | 0.44 | 37.52 |
| 3.854 | 16.91 | 47.67 | 0.24 | 6.86 | 90.51 | 0.44 | 37.52 |
| 3.969 | 16.91 | 47.67 | 0.24 | 6.86 | 84.54 | 0.44 | 37.52 |
| 4.065 | 16.91 | 47.67 | 0.27 | 6.86 | 91.38 | 0.44 | 37.52 |
| 4.172 | 16.91 | 47.67 | 0.27 | 6.85 | 93.33 | 0.44 | 37.52 |
| 4.299 | 16.91 | 47.67 | 0.27 | 6.85 | 116.9 | 0.44 | 37.52 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.419 | 16.91 | 47.67 | 0.27 | 6.85 | 117.51 | 0.44 | 37.52 |
| 4.503 | 16.91 | 47.68 | 0.24 | 6.85 | 124.3  | 0.45 | 37.52 |
| 4.556 | 16.91 | 47.68 | 0.24 | 6.86 | 112.28 | 0.45 | 37.52 |
| 4.584 | 16.91 | 47.68 | 0.24 | 6.88 | 115.53 | 0.45 | 37.52 |
| 4.594 | 16.91 | 47.68 | 0.24 | 6.9  | 102.04 | 0.45 | 37.52 |
| 4.611 | 16.91 | 47.67 | 0.27 | 6.91 | 92.38  | 0.47 | 37.52 |
| 4.675 | 16.91 | 47.68 | 0.27 | 6.92 | 99.13  | 0.47 | 37.52 |
| 4.777 | 16.91 | 47.68 | 0.27 | 6.93 | 119.24 | 0.47 | 37.52 |
| 4.909 | 16.91 | 47.68 | 0.27 | 6.94 | 119.29 | 0.47 | 37.52 |
| 5.073 | 16.91 | 47.68 | 0.27 | 6.94 | 120.39 | 0.47 | 37.52 |
| 5.245 | 16.91 | 47.68 | 0.27 | 6.94 | 118.07 | 0.46 | 37.52 |
| 5.412 | 16.91 | 47.68 | 0.27 | 6.93 | 89.82  | 0.46 | 37.53 |
| 5.571 | 16.91 | 47.68 | 0.27 | 6.92 | 69.62  | 0.46 | 37.52 |
| 5.731 | 16.91 | 47.7  | 0.27 | 6.94 | 78.15  | 0.46 | 37.54 |
| 5.883 | 16.91 | 47.7  | 0.27 | 6.95 | 76.97  | 0.48 | 37.54 |
| 5.993 | 16.91 | 47.71 | 0.27 | 6.96 | 82.51  | 0.48 | 37.56 |
| 6.092 | 16.91 | 47.72 | 0.27 | 6.95 | 96.64  | 0.48 | 37.56 |
| 6.18  | 16.91 | 47.72 | 0.27 | 6.95 | 117.25 | 0.48 | 37.56 |
| 6.236 | 16.91 | 47.73 | 0.27 | 6.95 | 105.2  | 0.48 | 37.57 |
| 6.282 | 16.91 | 47.72 | 0.24 | 6.93 | 97.78  | 0.48 | 37.57 |
| 6.322 | 16.91 | 47.73 | 0.24 | 6.92 | 90.64  | 0.48 | 37.57 |
| 6.334 | 16.9  | 47.74 | 0.24 | 6.93 | 87.88  | 0.48 | 37.58 |
| 6.339 | 16.9  | 47.73 | 0.24 | 6.92 | 88.06  | 0.48 | 37.58 |
| 6.378 | 16.9  | 47.73 | 0.24 | 6.93 | 98.49  | 0.5  | 37.57 |
| 6.438 | 16.9  | 47.74 | 0.24 | 6.93 | 102.96 | 0.5  | 37.58 |
| 6.528 | 16.9  | 47.75 | 0.24 | 6.94 | 101.36 | 0.5  | 37.59 |
| 6.648 | 16.9  | 47.82 | 0.24 | 6.94 | 104.15 | 0.5  | 37.66 |
| 6.708 | 16.86 | 47.98 | 0.29 | 6.94 | 109.72 | 0.48 | 37.83 |
| 6.717 | 16.84 | 47.86 | 0.29 | 6.94 | 103.39 | 0.48 | 37.76 |
| 6.79  | 16.84 | 48.0  | 0.29 | 6.92 | 93.8   | 0.48 | 37.87 |
| 6.885 | 16.83 | 48.11 | 0.29 | 6.91 | 86.74  | 0.48 | 37.98 |
| 6.928 | 16.75 | 48.17 | 0.27 | 6.87 | 105.0  | 0.46 | 38.11 |
| 6.93  | 16.75 | 48.15 | 0.27 | 6.86 | 102.36 | 0.46 | 38.09 |
| 6.949 | 16.75 | 48.14 | 0.27 | 6.86 | 98.87  | 0.46 | 38.08 |
| 6.971 | 16.76 | 48.06 | 0.27 | 6.85 | 97.0   | 0.46 | 38.01 |
| 7.014 | 16.77 | 48.13 | 0.27 | 6.84 | 97.63  | 0.46 | 38.06 |
| 7.103 | 16.77 | 48.28 | 0.27 | 6.82 | 93.96  | 0.46 | 38.19 |
| 7.191 | 16.74 | 48.38 | 0.27 | 6.82 | 94.45  | 0.46 | 38.3  |
| 7.258 | 16.71 | 48.43 | 0.29 | 6.83 | 91.36  | 0.46 | 38.37 |
| 7.34  | 16.69 | 48.53 | 0.29 | 6.84 | 87.48  | 0.46 | 38.5  |
| 7.466 | 16.66 | 48.7  | 0.29 | 6.84 | 83.74  | 0.46 | 38.67 |
| 7.596 | 16.61 | 48.82 | 0.29 | 6.86 | 86.08  | 0.46 | 38.82 |
| 7.731 | 16.5  | 48.83 | 0.34 | 6.88 | 87.44  | 0.54 | 38.94 |
| 7.851 | 16.38 | 48.84 | 0.34 | 6.89 | 90.13  | 0.54 | 39.07 |
| 7.944 | 16.29 | 48.84 | 0.34 | 6.89 | 88.34  | 0.54 | 39.16 |
| 8.001 | 16.24 | 48.84 | 0.34 | 6.89 | 83.48  | 0.54 | 39.2  |
| 8.066 | 16.22 | 48.85 | 0.34 | 6.87 | 79.46  | 0.54 | 39.23 |
| 8.177 | 16.2  | 48.92 | 0.42 | 6.86 | 77.3   | 0.73 | 39.31 |
| 8.272 | 16.17 | 48.99 | 0.42 | 6.85 | 77.81  | 0.73 | 39.41 |
| 8.336 | 16.12 | 49.03 | 0.42 | 6.84 | 82.63  | 0.73 | 39.5  |
| 8.424 | 16.08 | 49.03 | 0.42 | 6.84 | 78.42  | 0.73 | 39.53 |



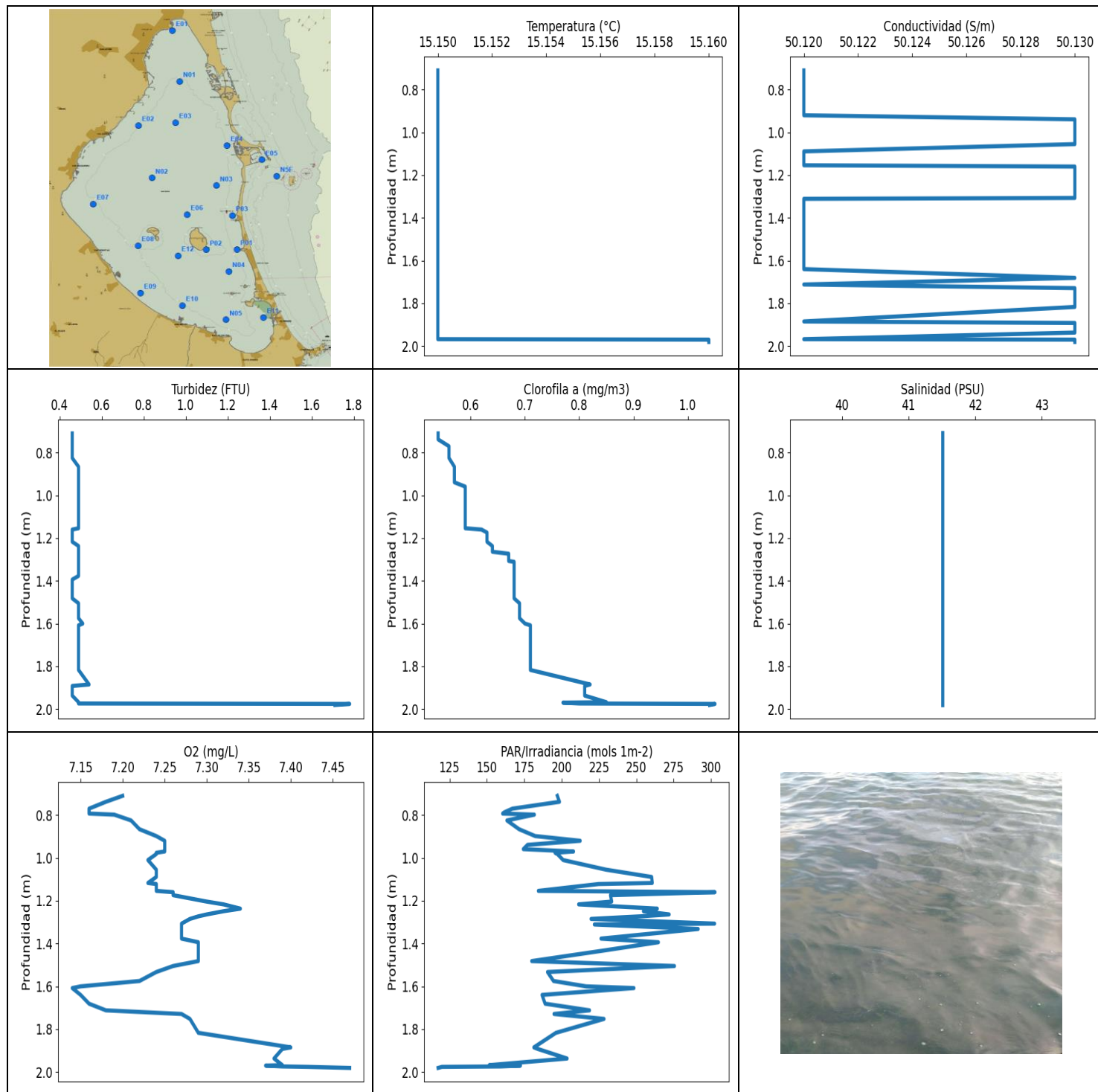
| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 15.27      | 50.31               | 0.59           | 5.82           | 57.54                       | 1.04              | 41.53           |
| PROF (metros)                                                                | 1.544      | 0.859               | 1.555          | 0.893          | 1.829                       | 0.847             | 0.93            |
| MÁXIMO                                                                       | 15.32      | 15.32               | 1.95           | 7.97           | 478.0                       | 1.91              | 41.61           |
| PROF (metros)                                                                | 1.692      | 1.692               | 0.735          | 0.804          | 0.735                       | 1.692             | 1.675           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N03 - Punto 008                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.28      | 50.32               | 0.95           | 6.65           | 265.16                      | 1.09              | 41.56           |
| 1 - 2m                                                     | 15.3       | 50.38               | 0.61           | 6.87           | 136.99                      | 1.46              | 41.59           |

| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.735                                                          | 15.28      | 50.33               | 1.95           | 7.87           | 478.0                       | 1.08              | 41.56           |
| 0.764                                                          | 15.28      | 50.33               | 1.95           | 7.92           | 356.24                      | 1.08              | 41.56           |
| 0.804                                                          | 15.28      | 50.33               | 1.95           | 7.97           | 361.64                      | 1.08              | 41.56           |
| 0.847                                                          | 15.28      | 50.32               | 0.61           | 7.16           | 258.21                      | 1.04              | 41.55           |
| 0.859                                                          | 15.28      | 50.31               | 0.61           | 6.91           | 216.5                       | 1.04              | 41.54           |
| 0.874                                                          | 15.28      | 50.31               | 0.61           | 6.69           | 174.51                      | 1.04              | 41.54           |
| 0.882                                                          | 15.28      | 50.34               | 0.61           | 5.85           | 178.74                      | 1.11              | 41.57           |
| 0.893                                                          | 15.28      | 50.35               | 0.61           | 5.82           | 286.22                      | 1.11              | 41.58           |
| 0.911                                                          | 15.29      | 50.34               | 0.61           | 5.83           | 252.7                       | 1.11              | 41.57           |
| 0.927                                                          | 15.29      | 50.31               | 0.61           | 5.87           | 167.88                      | 1.11              | 41.54           |
| 0.93                                                           | 15.29      | 50.31               | 0.61           | 5.93           | 183.51                      | 1.11              | 41.53           |
| 0.933                                                          | 15.28      | 50.31               | 0.61           | 6.0            | 267.83                      | 1.11              | 41.54           |
| 1.008                                                          | 15.28      | 50.35               | 0.61           | 6.04           | 242.72                      | 1.11              | 41.58           |
| 1.205                                                          | 15.28      | 50.37               | 0.61           | 6.06           | 240.46                      | 1.11              | 41.6            |
| 1.351                                                          | 15.29      | 50.36               | 0.61           | 6.07           | 198.74                      | 1.14              | 41.58           |
| 1.401                                                          | 15.29      | 50.35               | 0.61           | 6.15           | 262.51                      | 1.14              | 41.56           |
| 1.457                                                          | 15.29      | 50.34               | 0.61           | 6.3            | 167.95                      | 1.14              | 41.57           |
| 1.52                                                           | 15.28      | 50.33               | 0.61           | 6.5            | 214.81                      | 1.14              | 41.57           |
| 1.544                                                          | 15.27      | 50.33               | 0.61           | 6.69           | 227.32                      | 1.2               | 41.57           |
| 1.554                                                          | 15.27      | 50.33               | 0.61           | 6.85           | 231.27                      | 1.2               | 41.57           |
| 1.555                                                          | 15.28      | 50.35               | 0.59           | 6.75           | 191.77                      | 1.25              | 41.58           |
| 1.559                                                          | 15.29      | 50.36               | 0.59           | 6.56           | 227.52                      | 1.25              | 41.58           |
| 1.575                                                          | 15.29      | 50.36               | 0.59           | 6.35           | 158.6                       | 1.25              | 41.58           |
| 1.577                                                          | 15.29      | 50.34               | 0.63           | 5.93           | 180.15                      | 1.28              | 41.56           |
| 1.658                                                          | 15.29      | 50.37               | 0.63           | 5.84           | 179.6                       | 1.28              | 41.59           |
| 1.675                                                          | 15.3       | 50.4                | 0.61           | 6.25           | 108.44                      | 1.42              | 41.61           |
| 1.692                                                          | 15.32      | 50.42               | 0.61           | 7.53           | 60.97                       | 1.91              | 41.6            |
| 1.7                                                            | 15.32      | 50.42               | 0.61           | 7.51           | 62.38                       | 1.65              | 41.6            |
| 1.722                                                          | 15.32      | 50.42               | 0.61           | 7.51           | 59.28                       | 1.65              | 41.6            |
| 1.728                                                          | 15.32      | 50.41               | 0.61           | 7.49           | 63.68                       | 1.86              | 41.6            |
| 1.743                                                          | 15.32      | 50.41               | 0.63           | 7.52           | 59.31                       | 1.85              | 41.6            |
| 1.745                                                          | 15.32      | 50.41               | 0.63           | 7.52           | 60.17                       | 1.74              | 41.6            |
| 1.758                                                          | 15.32      | 50.41               | 0.63           | 7.52           | 61.4                        | 1.74              | 41.6            |
| 1.796                                                          | 15.32      | 50.41               | 0.59           | 7.54           | 58.92                       | 1.68              | 41.6            |
| 1.829                                                          | 15.32      | 50.41               | 0.59           | 7.54           | 57.54                       | 1.68              | 41.6            |
| 1.837                                                          | 15.32      | 50.41               | 0.66           | 7.56           | 64.4                        | 1.77              | 41.6            |
| 1.863                                                          | 15.32      | 50.41               | 0.61           | 7.56           | 64.4                        | 1.79              | 41.6            |
| 1.904                                                          | 15.32      | 50.42               | 0.61           | 7.56           | 57.55                       | 1.79              | 41.6            |





### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

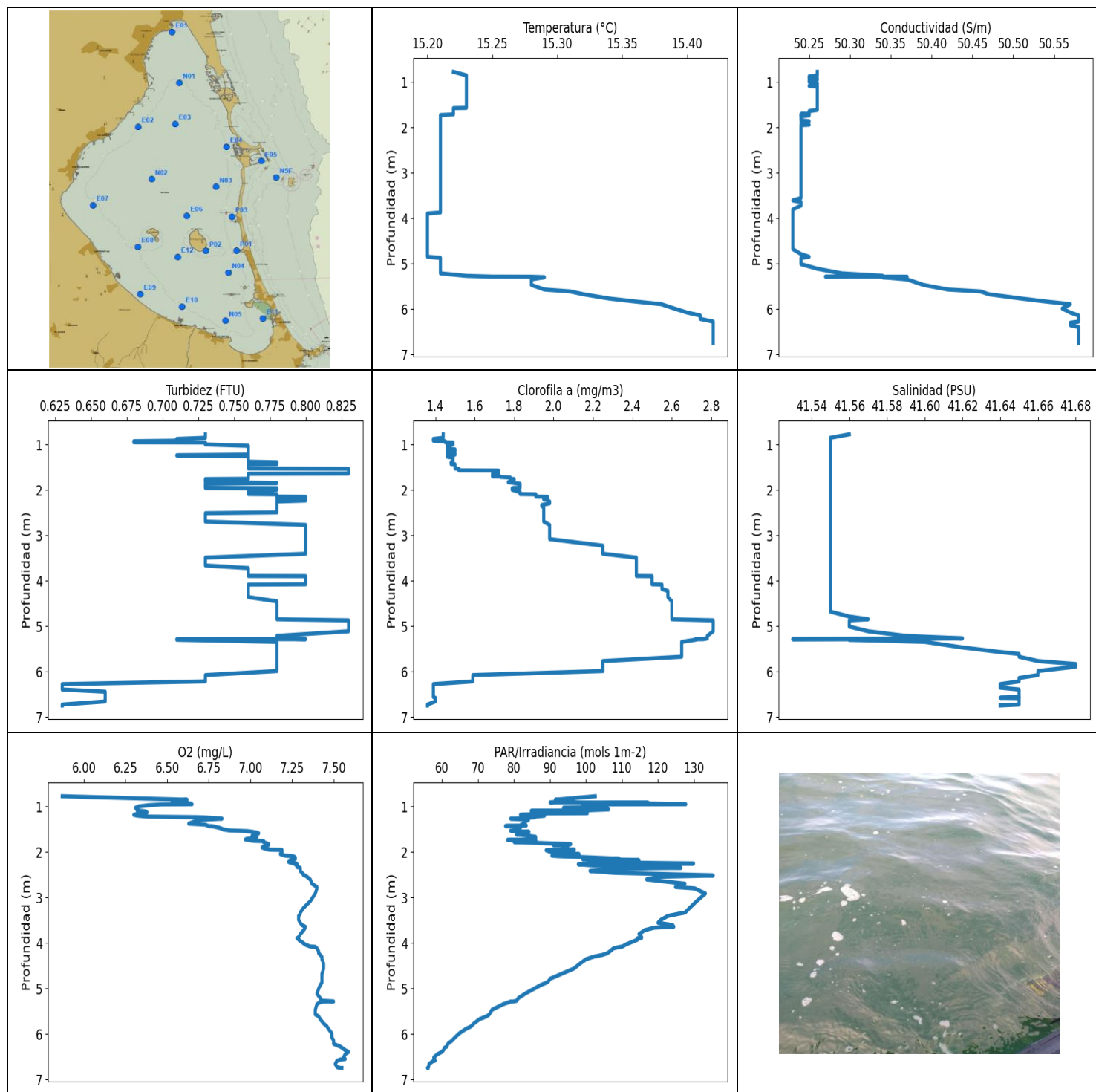
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m³) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|----------------------|--------------------|
| <b>MÍNIMO</b>        | 15.15         | 50.12                  | 0.46              | 7.14              | 117.28                         | 0.54                 | 41.51              |
| <b>PROF (metros)</b> | 0.71          | 0.71                   | 0.71              | 1.608             | 1.981                          | 0.71                 | 0.71               |
| <b>MÁXIMO</b>        | 15.16         | 15.16                  | 1.78              | 7.47              | 302.63                         | 1.05                 | 41.51              |
| <b>PROF (metros)</b> | 1.97          | 0.939                  | 1.976             | 1.981             | 1.16                           | 1.976                | 0.71               |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P03 - Punto 009                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.15      | 50.12               | 0.48           | 7.21           | 183.2                       | 0.57              | 41.51           |
| 1 - 2m                                                     | 15.15      | 50.13               | 0.55           | 7.28           | 218.24                      | 0.7               | 41.51           |

| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.71                                                           | 15.15      | 50.12               | 0.46           | 7.2            | 197.1                       | 0.54              | 41.51           |
| 0.738                                                          | 15.15      | 50.12               | 0.46           | 7.18           | 198.52                      | 0.54              | 41.51           |
| 0.77                                                           | 15.15      | 50.12               | 0.46           | 7.16           | 167.0                       | 0.56              | 41.51           |
| 0.787                                                          | 15.15      | 50.12               | 0.46           | 7.16           | 161.6                       | 0.56              | 41.51           |
| 0.793                                                          | 15.15      | 50.12               | 0.46           | 7.16           | 160.48                      | 0.56              | 41.51           |
| 0.798                                                          | 15.15      | 50.12               | 0.46           | 7.19           | 181.73                      | 0.56              | 41.51           |
| 0.825                                                          | 15.15      | 50.12               | 0.46           | 7.21           | 163.33                      | 0.56              | 41.51           |
| 0.866                                                          | 15.15      | 50.12               | 0.49           | 7.22           | 171.5                       | 0.57              | 41.51           |
| 0.898                                                          | 15.15      | 50.12               | 0.49           | 7.24           | 182.28                      | 0.57              | 41.51           |
| 0.92                                                           | 15.15      | 50.12               | 0.49           | 7.25           | 212.39                      | 0.57              | 41.51           |
| 0.939                                                          | 15.15      | 50.13               | 0.49           | 7.25           | 177.15                      | 0.57              | 41.51           |
| 0.959                                                          | 15.15      | 50.13               | 0.49           | 7.25           | 174.32                      | 0.59              | 41.51           |
| 0.97                                                           | 15.15      | 50.13               | 0.49           | 7.25           | 207.95                      | 0.59              | 41.51           |
| 0.976                                                          | 15.15      | 50.13               | 0.49           | 7.24           | 195.56                      | 0.59              | 41.51           |
| 0.982                                                          | 15.15      | 50.13               | 0.49           | 7.24           | 197.15                      | 0.59              | 41.51           |
| 1.01                                                           | 15.15      | 50.13               | 0.49           | 7.23           | 201.0                       | 0.59              | 41.51           |
| 1.055                                                          | 15.15      | 50.13               | 0.49           | 7.24           | 229.76                      | 0.59              | 41.51           |
| 1.089                                                          | 15.15      | 50.12               | 0.49           | 7.24           | 260.24                      | 0.59              | 41.51           |
| 1.117                                                          | 15.15      | 50.12               | 0.49           | 7.23           | 260.63                      | 0.59              | 41.51           |
| 1.122                                                          | 15.15      | 50.12               | 0.49           | 7.24           | 224.71                      | 0.59              | 41.51           |
| 1.154                                                          | 15.15      | 50.12               | 0.49           | 7.24           | 184.4                       | 0.59              | 41.51           |
| 1.16                                                           | 15.15      | 50.13               | 0.46           | 7.26           | 302.63                      | 0.62              | 41.51           |
| 1.174                                                          | 15.15      | 50.13               | 0.46           | 7.26           | 232.68                      | 0.63              | 41.51           |
| 1.204                                                          | 15.15      | 50.13               | 0.46           | 7.3            | 233.49                      | 0.63              | 41.51           |
| 1.217                                                          | 15.15      | 50.13               | 0.46           | 7.32           | 211.37                      | 0.63              | 41.51           |
| 1.237                                                          | 15.15      | 50.13               | 0.49           | 7.34           | 264.01                      | 0.64              | 41.51           |
| 1.249                                                          | 15.15      | 50.13               | 0.49           | 7.32           | 254.74                      | 0.64              | 41.51           |
| 1.264                                                          | 15.15      | 50.13               | 0.49           | 7.3            | 271.94                      | 0.64              | 41.51           |
| 1.273                                                          | 15.15      | 50.13               | 0.49           | 7.29           | 252.7                       | 0.67              | 41.51           |
| 1.285                                                          | 15.15      | 50.13               | 0.49           | 7.28           | 219.68                      | 0.67              | 41.51           |
| 1.307                                                          | 15.15      | 50.13               | 0.49           | 7.27           | 302.37                      | 0.67              | 41.51           |
| 1.311                                                          | 15.15      | 50.12               | 0.49           | 7.27           | 221.89                      | 0.68              | 41.51           |
| 1.332                                                          | 15.15      | 50.12               | 0.49           | 7.27           | 291.38                      | 0.68              | 41.51           |
| 1.377                                                          | 15.15      | 50.12               | 0.49           | 7.27           | 226.33                      | 0.68              | 41.51           |
| 1.394                                                          | 15.15      | 50.12               | 0.46           | 7.29           | 264.75                      | 0.68              | 41.51           |
| 1.432                                                          | 15.15      | 50.12               | 0.46           | 7.29           | 228.81                      | 0.68              | 41.51           |
| 1.482                                                          | 15.15      | 50.12               | 0.46           | 7.29           | 179.95                      | 0.68              | 41.51           |
| 1.505                                                          | 15.15      | 50.12               | 0.49           | 7.26           | 275.52                      | 0.69              | 41.51           |
| 1.533                                                          | 15.15      | 50.12               | 0.49           | 7.24           | 190.52                      | 0.69              | 41.51           |
| 1.575                                                          | 15.15      | 50.12               | 0.49           | 7.22           | 194.54                      | 0.69              | 41.51           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.6   | 15.15 | 50.12 | 0.51 | 7.15 | 216.36 | 0.7  | 41.51 |
| 1.608 | 15.15 | 50.12 | 0.49 | 7.14 | 248.39 | 0.71 | 41.51 |
| 1.64  | 15.15 | 50.12 | 0.49 | 7.15 | 186.86 | 0.71 | 41.51 |
| 1.681 | 15.15 | 50.13 | 0.49 | 7.16 | 188.91 | 0.71 | 41.51 |
| 1.712 | 15.15 | 50.12 | 0.49 | 7.18 | 218.63 | 0.71 | 41.51 |
| 1.729 | 15.15 | 50.13 | 0.49 | 7.27 | 194.88 | 0.71 | 41.51 |
| 1.752 | 15.15 | 50.13 | 0.49 | 7.28 | 228.36 | 0.71 | 41.51 |
| 1.817 | 15.15 | 50.13 | 0.49 | 7.29 | 196.16 | 0.71 | 41.51 |
| 1.885 | 15.15 | 50.12 | 0.54 | 7.4  | 181.37 | 0.82 | 41.51 |
| 1.892 | 15.15 | 50.13 | 0.46 | 7.39 | 183.91 | 0.81 | 41.51 |
| 1.937 | 15.15 | 50.13 | 0.46 | 7.38 | 203.65 | 0.81 | 41.51 |
| 1.968 | 15.15 | 50.12 | 0.49 | 7.39 | 151.54 | 0.85 | 41.51 |
| 1.97  | 15.16 | 50.13 | 0.49 | 7.37 | 172.4  | 0.77 | 41.51 |
| 1.974 | 15.16 | 50.13 | 0.49 | 7.39 | 159.22 | 0.8  | 41.51 |
| 1.976 | 15.16 | 50.13 | 1.78 | 7.42 | 119.81 | 1.05 | 41.51 |
| 1.981 | 15.16 | 50.13 | 1.71 | 7.47 | 117.28 | 1.04 | 41.51 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.2          | 50.23                  | 0.63              | 5.87              | 55.98                          | 1.36                              | 41.53              |
| <b>PROF (metros)</b> | 3.895         | 3.607                  | 6.277             | 0.773             | 6.747                          | 6.728                             | 5.286              |
| <b>MÁXIMO</b>        | 15.42         | 15.42                  | 0.83              | 7.59              | 135.35                         | 2.81                              | 41.68              |
| <b>PROF (metros)</b> | 6.277         | 6.142                  | 1.531             | 6.396             | 2.516                          | 4.872                             | 5.834              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E06 - Punto 010                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.23      | 50.26               | 0.71           | 6.48           | 104.74                      | 1.44              | 41.55           |
| 1 - 2m                                                     | 15.22      | 50.25               | 0.76           | 6.82           | 86.21                       | 1.6               | 41.55           |
| 2 - 3m                                                     | 15.21      | 50.24               | 0.78           | 7.29           | 111.5                       | 1.94              | 41.55           |
| 3 - 4m                                                     | 15.21      | 50.24               | 0.77           | 7.31           | 120.43                      | 2.37              | 41.55           |
| 4 - 5m                                                     | 15.2       | 50.23               | 0.78           | 7.41           | 100.12                      | 2.6               | 41.55           |
| 5 - 6m                                                     | 15.29      | 50.4                | 0.78           | 7.43           | 75.22                       | 2.6               | 41.62           |
| 6 - 7m                                                     | 15.42      | 50.58               | 0.66           | 7.54           | 58.94                       | 1.42              | 41.65           |

| OBSERVACIONES GENERALES                                                                                             |
|---------------------------------------------------------------------------------------------------------------------|
| CLOROFILA elevada en la(s) columna(s) de agua 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.37, 2.6, 2.6 respectivamente |

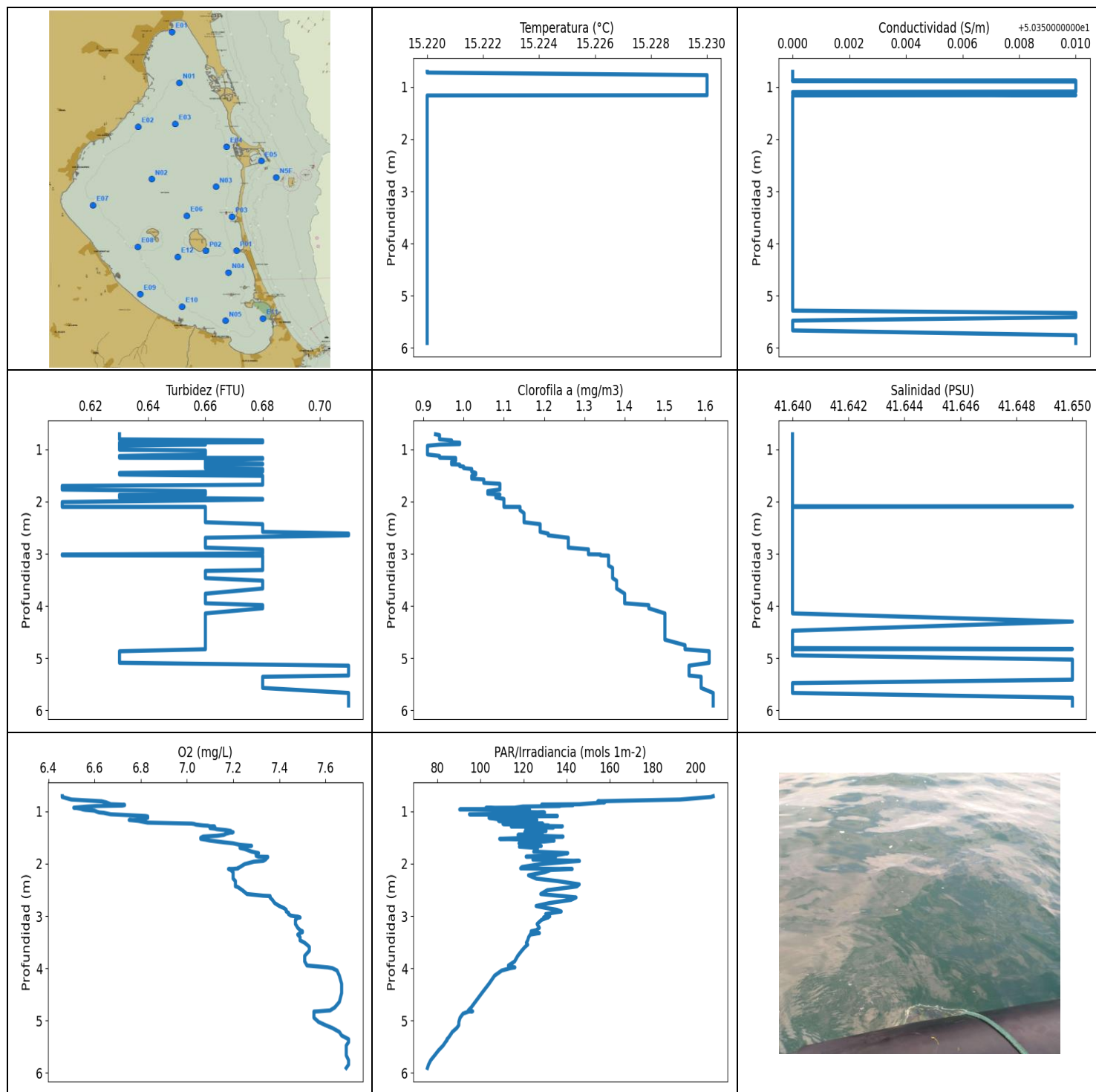
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.773                                                          | 15.22      | 50.26               | 0.73           | 5.87           | 102.58                      | 1.44              | 41.56           |
| 0.85                                                           | 15.23      | 50.26               | 0.73           | 6.62           | 91.5                        | 1.44              | 41.55           |
| 0.874                                                          | 15.23      | 50.25               | 0.71           | 6.55           | 96.41                       | 1.39              | 41.55           |
| 0.908                                                          | 15.23      | 50.25               | 0.71           | 6.53           | 90.05                       | 1.39              | 41.55           |
| 0.914                                                          | 15.23      | 50.26               | 0.71           | 6.56           | 117.28                      | 1.39              | 41.55           |
| 0.925                                                          | 15.23      | 50.26               | 0.68           | 6.61           | 104.4                       | 1.45              | 41.55           |
| 0.933                                                          | 15.23      | 50.25               | 0.68           | 6.64           | 116.74                      | 1.45              | 41.55           |
| 0.949                                                          | 15.23      | 50.26               | 0.68           | 6.65           | 127.73                      | 1.45              | 41.55           |
| 0.953                                                          | 15.23      | 50.26               | 0.73           | 6.47           | 98.96                       | 1.49              | 41.55           |
| 0.97                                                           | 15.23      | 50.25               | 0.73           | 6.39           | 100.65                      | 1.49              | 41.55           |
| 0.997                                                          | 15.23      | 50.25               | 0.73           | 6.33           | 105.89                      | 1.49              | 41.55           |
| 1.027                                                          | 15.23      | 50.26               | 0.76           | 6.31           | 93.78                       | 1.46              | 41.55           |
| 1.062                                                          | 15.23      | 50.26               | 0.76           | 6.32           | 106.31                      | 1.46              | 41.55           |
| 1.083                                                          | 15.23      | 50.25               | 0.76           | 6.32           | 100.02                      | 1.46              | 41.55           |
| 1.095                                                          | 15.23      | 50.26               | 0.76           | 6.34           | 84.8                        | 1.46              | 41.55           |
| 1.106                                                          | 15.23      | 50.26               | 0.76           | 6.37           | 91.26                       | 1.5               | 41.55           |
| 1.129                                                          | 15.23      | 50.26               | 0.76           | 6.38           | 97.27                       | 1.5               | 41.55           |
| 1.147                                                          | 15.23      | 50.26               | 0.76           | 6.36           | 100.39                      | 1.5               | 41.55           |
| 1.151                                                          | 15.23      | 50.26               | 0.76           | 6.33           | 88.92                       | 1.46              | 41.55           |
| 1.183                                                          | 15.23      | 50.26               | 0.76           | 6.3            | 81.81                       | 1.46              | 41.55           |
| 1.199                                                          | 15.23      | 50.26               | 0.76           | 6.32           | 88.52                       | 1.5               | 41.55           |
| 1.221                                                          | 15.23      | 50.26               | 0.76           | 6.38           | 86.12                       | 1.5               | 41.55           |
| 1.234                                                          | 15.23      | 50.26               | 0.71           | 6.68           | 85.77                       | 1.46              | 41.55           |
| 1.241                                                          | 15.23      | 50.26               | 0.71           | 6.73           | 84.69                       | 1.46              | 41.55           |
| 1.25                                                           | 15.23      | 50.26               | 0.76           | 6.76           | 82.04                       | 1.46              | 41.55           |
| 1.254                                                          | 15.23      | 50.26               | 0.76           | 6.78           | 82.96                       | 1.46              | 41.55           |
| 1.258                                                          | 15.23      | 50.26               | 0.76           | 6.81           | 82.2                        | 1.46              | 41.55           |
| 1.266                                                          | 15.23      | 50.26               | 0.76           | 6.83           | 79.09                       | 1.46              | 41.55           |
| 1.291                                                          | 15.23      | 50.26               | 0.76           | 6.71           | 84.06                       | 1.49              | 41.55           |
| 1.32                                                           | 15.23      | 50.26               | 0.76           | 6.67           | 83.34                       | 1.49              | 41.55           |
| 1.376                                                          | 15.23      | 50.26               | 0.76           | 6.63           | 82.54                       | 1.49              | 41.55           |
| 1.389                                                          | 15.23      | 50.26               | 0.78           | 6.69           | 82.36                       | 1.48              | 41.55           |
| 1.397                                                          | 15.23      | 50.26               | 0.78           | 6.73           | 82.02                       | 1.48              | 41.55           |
| 1.416                                                          | 15.23      | 50.26               | 0.78           | 6.74           | 83.43                       | 1.48              | 41.55           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.428 | 15.23 | 50.26 | 0.78 | 6.75 | 77.66  | 1.48 | 41.55 |
| 1.432 | 15.23 | 50.26 | 0.76 | 6.77 | 81.1   | 1.5  | 41.55 |
| 1.447 | 15.23 | 50.26 | 0.76 | 6.79 | 81.95  | 1.5  | 41.55 |
| 1.474 | 15.23 | 50.26 | 0.76 | 6.82 | 80.12  | 1.5  | 41.55 |
| 1.505 | 15.23 | 50.26 | 0.76 | 6.84 | 81.59  | 1.5  | 41.55 |
| 1.526 | 15.23 | 50.26 | 0.76 | 6.88 | 81.72  | 1.5  | 41.55 |
| 1.531 | 15.23 | 50.26 | 0.83 | 6.92 | 79.08  | 1.52 | 41.55 |
| 1.54  | 15.23 | 50.26 | 0.83 | 6.98 | 79.77  | 1.52 | 41.55 |
| 1.554 | 15.23 | 50.26 | 0.83 | 7.01 | 84.18  | 1.52 | 41.55 |
| 1.568 | 15.23 | 50.26 | 0.83 | 7.03 | 82.72  | 1.52 | 41.55 |
| 1.573 | 15.22 | 50.26 | 0.83 | 7.04 | 81.19  | 1.72 | 41.55 |
| 1.587 | 15.22 | 50.26 | 0.83 | 7.05 | 83.05  | 1.72 | 41.55 |
| 1.613 | 15.22 | 50.26 | 0.83 | 7.04 | 80.69  | 1.72 | 41.55 |
| 1.639 | 15.22 | 50.25 | 0.83 | 7.03 | 84.34  | 1.72 | 41.55 |
| 1.643 | 15.22 | 50.25 | 0.76 | 7.01 | 83.88  | 1.69 | 41.55 |
| 1.665 | 15.22 | 50.25 | 0.76 | 7.04 | 86.01  | 1.69 | 41.55 |
| 1.701 | 15.22 | 50.25 | 0.76 | 7.02 | 85.17  | 1.69 | 41.55 |
| 1.704 | 15.22 | 50.24 | 0.76 | 6.99 | 86.08  | 1.73 | 41.55 |
| 1.711 | 15.22 | 50.25 | 0.76 | 6.98 | 85.56  | 1.73 | 41.55 |
| 1.725 | 15.21 | 50.24 | 0.76 | 6.97 | 83.77  | 1.78 | 41.55 |
| 1.735 | 15.21 | 50.25 | 0.76 | 6.99 | 78.22  | 1.78 | 41.55 |
| 1.753 | 15.21 | 50.24 | 0.76 | 7.02 | 83.44  | 1.78 | 41.55 |
| 1.76  | 15.21 | 50.24 | 0.73 | 7.08 | 86.12  | 1.8  | 41.55 |
| 1.781 | 15.21 | 50.24 | 0.73 | 7.08 | 80.08  | 1.8  | 41.55 |
| 1.827 | 15.21 | 50.24 | 0.73 | 7.11 | 95.76  | 1.77 | 41.55 |
| 1.845 | 15.21 | 50.24 | 0.78 | 7.11 | 90.9   | 1.8  | 41.55 |
| 1.863 | 15.21 | 50.25 | 0.73 | 7.09 | 94.99  | 1.83 | 41.55 |
| 1.9   | 15.21 | 50.24 | 0.73 | 7.07 | 93.57  | 1.83 | 41.55 |
| 1.938 | 15.21 | 50.25 | 0.73 | 7.1  | 94.33  | 1.83 | 41.55 |
| 1.949 | 15.21 | 50.24 | 0.73 | 7.12 | 96.78  | 1.83 | 41.55 |
| 1.954 | 15.21 | 50.24 | 0.73 | 7.19 | 90.84  | 1.8  | 41.55 |
| 1.961 | 15.21 | 50.24 | 0.78 | 7.19 | 88.94  | 1.79 | 41.55 |
| 1.995 | 15.21 | 50.24 | 0.78 | 7.19 | 90.17  | 1.79 | 41.55 |
| 2.044 | 15.21 | 50.24 | 0.76 | 7.18 | 98.08  | 1.83 | 41.55 |
| 2.057 | 15.21 | 50.24 | 0.76 | 7.19 | 93.86  | 1.83 | 41.55 |
| 2.079 | 15.21 | 50.24 | 0.76 | 7.21 | 90.55  | 1.83 | 41.55 |
| 2.089 | 15.21 | 50.24 | 0.76 | 7.24 | 92.08  | 1.83 | 41.55 |
| 2.095 | 15.21 | 50.24 | 0.78 | 7.26 | 93.8   | 1.91 | 41.55 |
| 2.118 | 15.21 | 50.24 | 0.78 | 7.27 | 101.09 | 1.91 | 41.55 |
| 2.147 | 15.21 | 50.24 | 0.78 | 7.27 | 109.22 | 1.91 | 41.55 |
| 2.152 | 15.21 | 50.24 | 0.8  | 7.27 | 103.23 | 1.97 | 41.55 |
| 2.158 | 15.21 | 50.24 | 0.8  | 7.27 | 99.11  | 1.97 | 41.55 |
| 2.17  | 15.21 | 50.24 | 0.78 | 7.25 | 112.23 | 1.95 | 41.55 |
| 2.18  | 15.21 | 50.24 | 0.78 | 7.24 | 114.7  | 1.95 | 41.55 |
| 2.206 | 15.21 | 50.24 | 0.78 | 7.24 | 108.3  | 1.95 | 41.55 |
| 2.208 | 15.21 | 50.24 | 0.8  | 7.24 | 100.5  | 1.97 | 41.55 |
| 2.217 | 15.21 | 50.24 | 0.8  | 7.23 | 105.0  | 1.97 | 41.55 |
| 2.231 | 15.21 | 50.24 | 0.8  | 7.24 | 111.04 | 1.97 | 41.55 |
| 2.252 | 15.21 | 50.24 | 0.78 | 7.26 | 129.89 | 1.98 | 41.55 |
| 2.26  | 15.21 | 50.24 | 0.78 | 7.28 | 106.87 | 1.98 | 41.55 |
| 2.269 | 15.21 | 50.24 | 0.78 | 7.27 | 97.87  | 1.98 | 41.55 |
| 2.294 | 15.21 | 50.24 | 0.78 | 7.28 | 102.02 | 1.98 | 41.55 |
| 2.329 | 15.21 | 50.24 | 0.78 | 7.28 | 113.09 | 1.94 | 41.55 |
| 2.347 | 15.21 | 50.24 | 0.78 | 7.3  | 126.4  | 1.94 | 41.55 |
| 2.355 | 15.21 | 50.24 | 0.78 | 7.3  | 117.69 | 1.94 | 41.55 |
| 2.381 | 15.21 | 50.24 | 0.78 | 7.3  | 106.63 | 1.95 | 41.55 |
| 2.415 | 15.21 | 50.24 | 0.78 | 7.3  | 101.14 | 1.95 | 41.55 |
| 2.457 | 15.21 | 50.24 | 0.78 | 7.31 | 108.04 | 1.95 | 41.55 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.492 | 15.21 | 50.24 | 0.78 | 7.32 | 125.47 | 1.95 | 41.55 |
| 2.511 | 15.21 | 50.24 | 0.73 | 7.32 | 135.02 | 1.95 | 41.55 |
| 2.516 | 15.21 | 50.24 | 0.73 | 7.33 | 135.35 | 1.95 | 41.55 |
| 2.543 | 15.21 | 50.24 | 0.73 | 7.34 | 120.28 | 1.95 | 41.55 |
| 2.602 | 15.21 | 50.24 | 0.73 | 7.36 | 116.85 | 1.95 | 41.55 |
| 2.696 | 15.21 | 50.24 | 0.73 | 7.37 | 127.51 | 1.95 | 41.55 |
| 2.769 | 15.21 | 50.24 | 0.8  | 7.4  | 124.87 | 1.98 | 41.55 |
| 2.8   | 15.21 | 50.24 | 0.8  | 7.4  | 130.2  | 1.98 | 41.55 |
| 2.912 | 15.21 | 50.24 | 0.8  | 7.39 | 133.19 | 1.98 | 41.55 |
| 3.081 | 15.21 | 50.24 | 0.8  | 7.36 | 130.74 | 1.98 | 41.55 |
| 3.226 | 15.21 | 50.24 | 0.8  | 7.32 | 128.85 | 2.25 | 41.55 |
| 3.33  | 15.21 | 50.24 | 0.8  | 7.3  | 127.56 | 2.25 | 41.55 |
| 3.355 | 15.21 | 50.24 | 0.8  | 7.3  | 125.88 | 2.25 | 41.55 |
| 3.405 | 15.21 | 50.24 | 0.8  | 7.29 | 122.77 | 2.25 | 41.55 |
| 3.49  | 15.21 | 50.24 | 0.73 | 7.29 | 120.83 | 2.42 | 41.55 |
| 3.555 | 15.21 | 50.24 | 0.73 | 7.3  | 120.02 | 2.42 | 41.55 |
| 3.607 | 15.21 | 50.23 | 0.73 | 7.31 | 124.11 | 2.42 | 41.55 |
| 3.642 | 15.21 | 50.24 | 0.73 | 7.33 | 124.41 | 2.42 | 41.55 |
| 3.663 | 15.21 | 50.24 | 0.73 | 7.33 | 119.0  | 2.42 | 41.55 |
| 3.72  | 15.21 | 50.24 | 0.76 | 7.32 | 116.29 | 2.42 | 41.55 |
| 3.806 | 15.21 | 50.23 | 0.76 | 7.3  | 114.73 | 2.42 | 41.55 |
| 3.873 | 15.21 | 50.23 | 0.76 | 7.29 | 115.48 | 2.42 | 41.55 |
| 3.895 | 15.2  | 50.23 | 0.76 | 7.28 | 115.41 | 2.42 | 41.55 |
| 3.898 | 15.2  | 50.23 | 0.8  | 7.29 | 114.28 | 2.5  | 41.55 |
| 3.928 | 15.2  | 50.23 | 0.8  | 7.29 | 114.3  | 2.5  | 41.55 |
| 3.98  | 15.2  | 50.23 | 0.8  | 7.31 | 112.72 | 2.5  | 41.55 |
| 4.036 | 15.2  | 50.23 | 0.8  | 7.33 | 111.02 | 2.5  | 41.55 |
| 4.078 | 15.2  | 50.23 | 0.8  | 7.36 | 110.13 | 2.5  | 41.55 |
| 4.084 | 15.2  | 50.23 | 0.76 | 7.39 | 109.58 | 2.55 | 41.55 |
| 4.118 | 15.2  | 50.23 | 0.76 | 7.4  | 107.64 | 2.55 | 41.55 |
| 4.18  | 15.2  | 50.23 | 0.76 | 7.41 | 106.73 | 2.55 | 41.55 |
| 4.225 | 15.2  | 50.23 | 0.76 | 7.41 | 105.96 | 2.58 | 41.55 |
| 4.263 | 15.2  | 50.23 | 0.76 | 7.42 | 104.52 | 2.58 | 41.55 |
| 4.304 | 15.2  | 50.23 | 0.76 | 7.43 | 102.04 | 2.58 | 41.55 |
| 4.359 | 15.2  | 50.23 | 0.76 | 7.43 | 100.0  | 2.58 | 41.55 |
| 4.453 | 15.2  | 50.23 | 0.78 | 7.44 | 98.36  | 2.6  | 41.55 |
| 4.563 | 15.2  | 50.23 | 0.78 | 7.44 | 96.64  | 2.6  | 41.55 |
| 4.679 | 15.2  | 50.23 | 0.78 | 7.43 | 93.23  | 2.6  | 41.55 |
| 4.788 | 15.2  | 50.24 | 0.78 | 7.43 | 90.03  | 2.6  | 41.56 |
| 4.848 | 15.2  | 50.25 | 0.78 | 7.43 | 89.55  | 2.6  | 41.57 |
| 4.872 | 15.21 | 50.24 | 0.83 | 7.43 | 89.02  | 2.81 | 41.56 |
| 4.923 | 15.21 | 50.24 | 0.83 | 7.42 | 87.5   | 2.81 | 41.56 |
| 5.01  | 15.21 | 50.24 | 0.83 | 7.41 | 85.52  | 2.81 | 41.56 |
| 5.112 | 15.21 | 50.26 | 0.83 | 7.4  | 83.16  | 2.81 | 41.57 |
| 5.214 | 15.21 | 50.29 | 0.78 | 7.42 | 81.19  | 2.78 | 41.59 |
| 5.269 | 15.23 | 50.34 | 0.78 | 7.43 | 80.8   | 2.78 | 41.62 |
| 5.286 | 15.25 | 50.27 | 0.8  | 7.5  | 79.84  | 2.76 | 41.53 |
| 5.288 | 15.28 | 50.37 | 0.71 | 7.44 | 79.02  | 2.72 | 41.6  |
| 5.299 | 15.29 | 50.34 | 0.71 | 7.42 | 78.73  | 2.72 | 41.56 |
| 5.346 | 15.28 | 50.37 | 0.78 | 7.4  | 77.02  | 2.65 | 41.6  |
| 5.469 | 15.28 | 50.39 | 0.78 | 7.39 | 73.9   | 2.65 | 41.62 |
| 5.57  | 15.29 | 50.42 | 0.78 | 7.39 | 73.16  | 2.65 | 41.64 |
| 5.612 | 15.31 | 50.46 | 0.78 | 7.41 | 72.45  | 2.65 | 41.65 |
| 5.674 | 15.32 | 50.47 | 0.78 | 7.42 | 70.46  | 2.65 | 41.65 |
| 5.769 | 15.34 | 50.51 | 0.78 | 7.44 | 68.88  | 2.25 | 41.66 |
| 5.834 | 15.36 | 50.54 | 0.78 | 7.46 | 68.09  | 2.25 | 41.68 |
| 5.893 | 15.38 | 50.57 | 0.78 | 7.47 | 66.58  | 2.25 | 41.68 |
| 5.988 | 15.39 | 50.56 | 0.78 | 7.49 | 64.8   | 2.25 | 41.66 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 6.078 | 15.4  | 50.57 | 0.73 | 7.49 | 63.6  | 1.59 | 41.66 |
| 6.142 | 15.41 | 50.58 | 0.73 | 7.5  | 62.83 | 1.59 | 41.65 |
| 6.217 | 15.41 | 50.58 | 0.73 | 7.5  | 61.65 | 1.59 | 41.65 |
| 6.277 | 15.42 | 50.58 | 0.63 | 7.54 | 61.38 | 1.39 | 41.64 |
| 6.302 | 15.42 | 50.57 | 0.63 | 7.55 | 60.74 | 1.39 | 41.64 |
| 6.356 | 15.42 | 50.57 | 0.63 | 7.57 | 60.42 | 1.39 | 41.64 |
| 6.396 | 15.42 | 50.58 | 0.63 | 7.59 | 59.94 | 1.39 | 41.65 |
| 6.444 | 15.42 | 50.58 | 0.66 | 7.57 | 58.79 | 1.39 | 41.65 |
| 6.513 | 15.42 | 50.58 | 0.66 | 7.56 | 57.74 | 1.39 | 41.65 |
| 6.55  | 15.42 | 50.58 | 0.66 | 7.57 | 58.0  | 1.39 | 41.65 |
| 6.561 | 15.42 | 50.58 | 0.66 | 7.54 | 57.72 | 1.39 | 41.65 |
| 6.578 | 15.42 | 50.58 | 0.66 | 7.53 | 57.74 | 1.4  | 41.64 |
| 6.585 | 15.42 | 50.58 | 0.66 | 7.52 | 58.12 | 1.4  | 41.65 |
| 6.596 | 15.42 | 50.58 | 0.66 | 7.52 | 57.54 | 1.4  | 41.65 |
| 6.659 | 15.42 | 50.58 | 0.66 | 7.51 | 56.41 | 1.4  | 41.65 |
| 6.728 | 15.42 | 50.58 | 0.63 | 7.52 | 56.29 | 1.36 | 41.65 |
| 6.747 | 15.42 | 50.58 | 0.63 | 7.54 | 55.98 | 1.36 | 41.64 |
| 6.748 | 15.42 | 50.58 | 0.63 | 7.55 | 56.1  | 1.36 | 41.64 |





### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.22         | 50.35                  | 0.61              | 6.46              | 75.39                          | 0.91                              | 41.64              |
| <b>PROF (metros)</b> | 0.709         | 0.709                  | 1.698             | 0.709             | 5.908                          | 0.929                             | 0.709              |
| <b>MÁXIMO</b>        | 15.23         | 15.23                  | 0.71              | 7.7               | 207.99                         | 1.62                              | 41.65              |
| <b>PROF (metros)</b> | 0.773         | 0.879                  | 2.612             | 5.357             | 0.709                          | 5.667                             | 2.092              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E12 - Punto 011                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.23      | 50.35               | 0.64           | 6.6            | 138.8                       | 0.95              | 41.64           |
| 1 - 2m                                                     | 15.22      | 50.35               | 0.66           | 7.09           | 124.74                      | 1.01              | 41.64           |
| 2 - 3m                                                     | 15.22      | 50.35               | 0.66           | 7.29           | 132.92                      | 1.19              | 41.64           |
| 3 - 4m                                                     | 15.22      | 50.35               | 0.66           | 7.5            | 123.91                      | 1.37              | 41.64           |
| 4 - 5m                                                     | 15.22      | 50.35               | 0.66           | 7.62           | 99.63                       | 1.53              | 41.64           |
| 5 - 6m                                                     | 15.22      | 50.35               | 0.69           | 7.67           | 83.3                        | 1.59              | 41.65           |

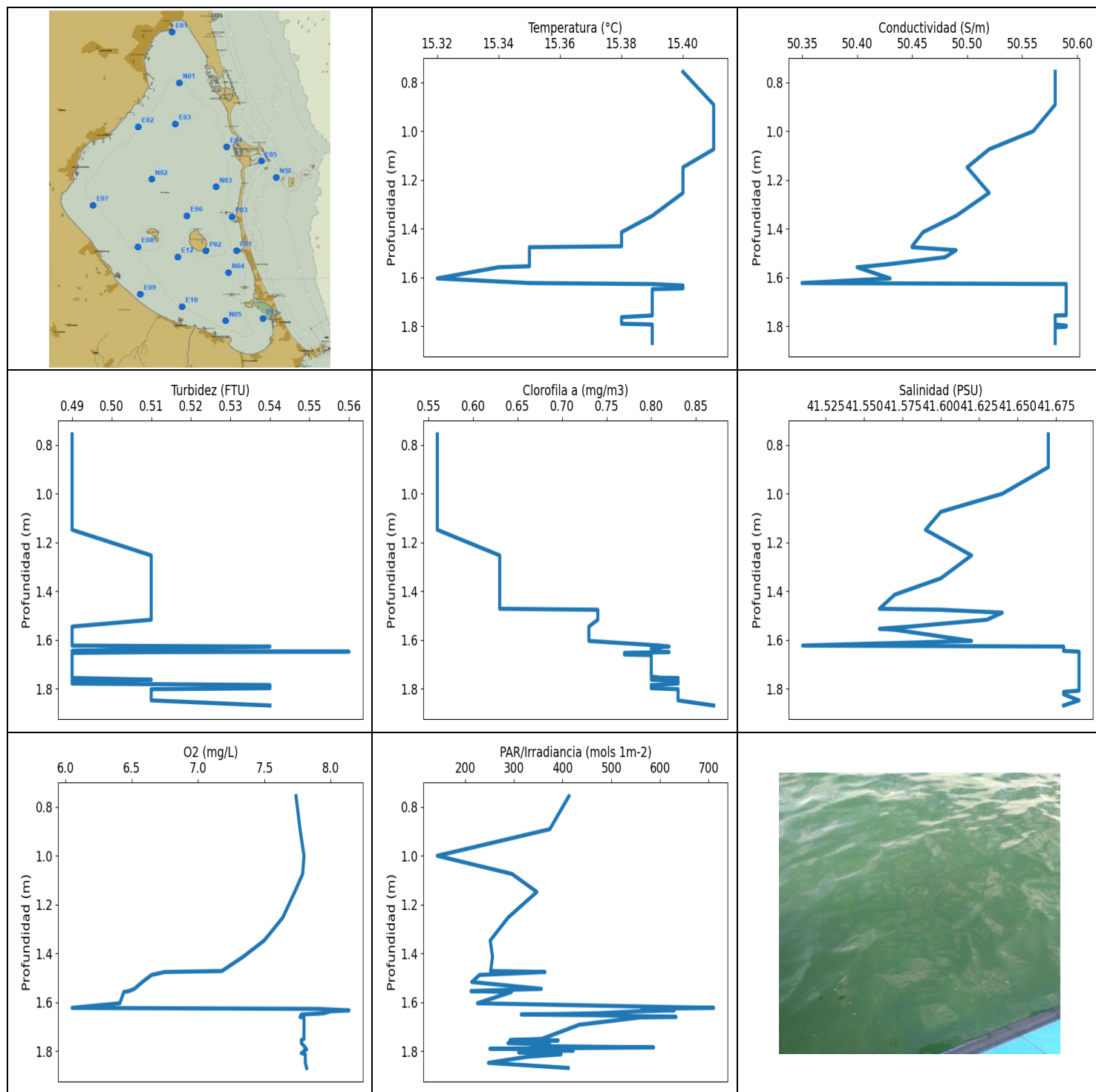
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.709                                                          | 15.22      | 50.35               | 0.63           | 6.46           | 207.99                      | 0.93              | 41.64           |
| 0.724                                                          | 15.22      | 50.35               | 0.63           | 6.46           | 206.91                      | 0.94              | 41.64           |
| 0.773                                                          | 15.23      | 50.35               | 0.63           | 6.5            | 192.56                      | 0.94              | 41.64           |
| 0.806                                                          | 15.23      | 50.35               | 0.63           | 6.63           | 154.48                      | 0.94              | 41.64           |
| 0.826                                                          | 15.23      | 50.35               | 0.68           | 6.65           | 157.6                       | 0.97              | 41.64           |
| 0.863                                                          | 15.23      | 50.35               | 0.68           | 6.67           | 145.94                      | 0.97              | 41.64           |
| 0.869                                                          | 15.23      | 50.35               | 0.63           | 6.71           | 128.43                      | 0.99              | 41.64           |
| 0.873                                                          | 15.23      | 50.35               | 0.63           | 6.73           | 136.89                      | 0.99              | 41.64           |
| 0.879                                                          | 15.23      | 50.36               | 0.63           | 6.73           | 142.92                      | 0.99              | 41.64           |
| 0.889                                                          | 15.23      | 50.35               | 0.63           | 6.72           | 136.77                      | 0.99              | 41.64           |
| 0.897                                                          | 15.23      | 50.36               | 0.63           | 6.61           | 136.77                      | 0.99              | 41.64           |
| 0.907                                                          | 15.23      | 50.36               | 0.66           | 6.57           | 119.68                      | 0.94              | 41.64           |
| 0.929                                                          | 15.23      | 50.36               | 0.63           | 6.51           | 115.86                      | 0.91              | 41.64           |
| 0.932                                                          | 15.23      | 50.36               | 0.63           | 6.52           | 102.53                      | 0.91              | 41.64           |
| 0.949                                                          | 15.23      | 50.36               | 0.63           | 6.54           | 110.01                      | 0.91              | 41.64           |
| 0.963                                                          | 15.23      | 50.36               | 0.63           | 6.55           | 90.37                       | 0.91              | 41.64           |
| 0.97                                                           | 15.23      | 50.36               | 0.63           | 6.56           | 122.79                      | 0.91              | 41.64           |
| 0.977                                                          | 15.23      | 50.36               | 0.63           | 6.58           | 120.46                      | 0.91              | 41.64           |
| 0.986                                                          | 15.23      | 50.36               | 0.63           | 6.6            | 108.22                      | 0.91              | 41.64           |
| 1.005                                                          | 15.23      | 50.36               | 0.63           | 6.61           | 112.77                      | 0.91              | 41.64           |
| 1.019                                                          | 15.23      | 50.36               | 0.66           | 6.62           | 129.72                      | 0.91              | 41.64           |
| 1.027                                                          | 15.23      | 50.36               | 0.66           | 6.64           | 126.54                      | 0.91              | 41.64           |
| 1.055                                                          | 15.23      | 50.36               | 0.66           | 6.67           | 94.89                       | 0.91              | 41.64           |
| 1.088                                                          | 15.23      | 50.36               | 0.66           | 6.82           | 135.7                       | 0.91              | 41.64           |
| 1.096                                                          | 15.23      | 50.35               | 0.66           | 6.83           | 119.26                      | 0.91              | 41.64           |
| 1.123                                                          | 15.23      | 50.35               | 0.63           | 6.83           | 103.97                      | 0.94              | 41.64           |
| 1.158                                                          | 15.23      | 50.36               | 0.63           | 6.8            | 109.96                      | 0.94              | 41.64           |
| 1.163                                                          | 15.22      | 50.35               | 0.68           | 6.75           | 126.13                      | 0.98              | 41.64           |
| 1.181                                                          | 15.22      | 50.35               | 0.68           | 6.79           | 108.39                      | 0.98              | 41.64           |
| 1.214                                                          | 15.22      | 50.35               | 0.66           | 6.83           | 122.61                      | 0.98              | 41.64           |
| 1.233                                                          | 15.22      | 50.35               | 0.66           | 7.02           | 128.88                      | 0.97              | 41.64           |
| 1.239                                                          | 15.22      | 50.35               | 0.66           | 7.03           | 110.44                      | 0.97              | 41.64           |
| 1.253                                                          | 15.22      | 50.35               | 0.66           | 7.04           | 116.36                      | 0.97              | 41.64           |
| 1.268                                                          | 15.22      | 50.35               | 0.66           | 7.07           | 131.51                      | 0.97              | 41.64           |
| 1.273                                                          | 15.22      | 50.35               | 0.68           | 7.09           | 124.3                       | 0.97              | 41.64           |
| 1.284                                                          | 15.22      | 50.35               | 0.68           | 7.1            | 138.0                       | 0.97              | 41.64           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.289 | 15.22 | 50.35 | 0.66 | 7.12 | 114.3  | 0.99 | 41.64 |
| 1.294 | 15.22 | 50.35 | 0.66 | 7.11 | 125.96 | 0.99 | 41.64 |
| 1.308 | 15.22 | 50.35 | 0.66 | 7.1  | 133.88 | 0.99 | 41.64 |
| 1.318 | 15.22 | 50.35 | 0.66 | 7.1  | 122.98 | 0.99 | 41.64 |
| 1.329 | 15.22 | 50.35 | 0.66 | 7.12 | 123.04 | 1.0  | 41.64 |
| 1.34  | 15.22 | 50.35 | 0.66 | 7.13 | 124.84 | 1.0  | 41.64 |
| 1.349 | 15.22 | 50.35 | 0.66 | 7.15 | 125.66 | 1.0  | 41.64 |
| 1.358 | 15.22 | 50.35 | 0.66 | 7.17 | 120.96 | 1.0  | 41.64 |
| 1.374 | 15.22 | 50.35 | 0.68 | 7.19 | 130.43 | 1.02 | 41.64 |
| 1.392 | 15.22 | 50.35 | 0.68 | 7.19 | 125.61 | 1.02 | 41.64 |
| 1.397 | 15.22 | 50.35 | 0.68 | 7.2  | 120.57 | 1.02 | 41.64 |
| 1.403 | 15.22 | 50.35 | 0.68 | 7.19 | 128.74 | 1.02 | 41.64 |
| 1.425 | 15.22 | 50.35 | 0.68 | 7.17 | 127.2  | 1.02 | 41.64 |
| 1.449 | 15.22 | 50.35 | 0.63 | 7.16 | 117.43 | 1.03 | 41.64 |
| 1.466 | 15.22 | 50.35 | 0.63 | 7.13 | 125.09 | 1.03 | 41.64 |
| 1.474 | 15.22 | 50.35 | 0.63 | 7.1  | 131.83 | 1.03 | 41.64 |
| 1.481 | 15.22 | 50.35 | 0.63 | 7.07 | 138.3  | 1.03 | 41.64 |
| 1.504 | 15.22 | 50.35 | 0.68 | 7.06 | 122.5  | 1.02 | 41.64 |
| 1.525 | 15.22 | 50.35 | 0.68 | 7.06 | 108.91 | 1.02 | 41.64 |
| 1.539 | 15.22 | 50.35 | 0.68 | 7.08 | 121.97 | 1.02 | 41.64 |
| 1.558 | 15.22 | 50.35 | 0.68 | 7.1  | 134.15 | 1.02 | 41.64 |
| 1.575 | 15.22 | 50.35 | 0.68 | 7.13 | 129.83 | 1.05 | 41.64 |
| 1.591 | 15.22 | 50.35 | 0.68 | 7.16 | 120.91 | 1.05 | 41.64 |
| 1.61  | 15.22 | 50.35 | 0.68 | 7.2  | 117.87 | 1.05 | 41.64 |
| 1.64  | 15.22 | 50.35 | 0.68 | 7.23 | 120.15 | 1.05 | 41.64 |
| 1.658 | 15.22 | 50.35 | 0.68 | 7.28 | 126.24 | 1.09 | 41.64 |
| 1.66  | 15.22 | 50.35 | 0.68 | 7.26 | 128.18 | 1.09 | 41.64 |
| 1.675 | 15.22 | 50.35 | 0.68 | 7.23 | 118.05 | 1.09 | 41.64 |
| 1.698 | 15.22 | 50.35 | 0.61 | 7.23 | 126.54 | 1.09 | 41.64 |
| 1.718 | 15.22 | 50.35 | 0.61 | 7.25 | 126.32 | 1.09 | 41.64 |
| 1.768 | 15.22 | 50.35 | 0.61 | 7.28 | 124.71 | 1.09 | 41.64 |
| 1.797 | 15.22 | 50.35 | 0.66 | 7.31 | 140.48 | 1.06 | 41.64 |
| 1.822 | 15.22 | 50.35 | 0.66 | 7.3  | 137.31 | 1.06 | 41.64 |
| 1.849 | 15.22 | 50.35 | 0.66 | 7.3  | 132.87 | 1.06 | 41.64 |
| 1.865 | 15.22 | 50.35 | 0.66 | 7.31 | 121.2  | 1.09 | 41.64 |
| 1.869 | 15.22 | 50.35 | 0.63 | 7.35 | 134.82 | 1.08 | 41.64 |
| 1.874 | 15.22 | 50.35 | 0.63 | 7.35 | 129.58 | 1.08 | 41.64 |
| 1.921 | 15.22 | 50.35 | 0.63 | 7.34 | 124.33 | 1.08 | 41.64 |
| 1.947 | 15.22 | 50.35 | 0.68 | 7.33 | 145.91 | 1.1  | 41.64 |
| 1.961 | 15.22 | 50.35 | 0.68 | 7.29 | 141.01 | 1.1  | 41.64 |
| 2.008 | 15.22 | 50.35 | 0.61 | 7.25 | 127.87 | 1.1  | 41.64 |
| 2.063 | 15.22 | 50.35 | 0.61 | 7.23 | 119.31 | 1.1  | 41.64 |
| 2.088 | 15.22 | 50.35 | 0.61 | 7.22 | 118.64 | 1.1  | 41.64 |
| 2.092 | 15.22 | 50.35 | 0.61 | 7.22 | 123.9  | 1.1  | 41.65 |
| 2.1   | 15.22 | 50.35 | 0.61 | 7.2  | 134.67 | 1.1  | 41.64 |
| 2.101 | 15.22 | 50.35 | 0.66 | 7.18 | 142.55 | 1.14 | 41.64 |
| 2.12  | 15.22 | 50.35 | 0.66 | 7.19 | 132.55 | 1.14 | 41.64 |
| 2.163 | 15.22 | 50.35 | 0.66 | 7.2  | 129.78 | 1.14 | 41.64 |
| 2.221 | 15.22 | 50.35 | 0.66 | 7.2  | 122.29 | 1.15 | 41.64 |
| 2.285 | 15.22 | 50.35 | 0.66 | 7.2  | 125.91 | 1.15 | 41.64 |
| 2.332 | 15.22 | 50.35 | 0.66 | 7.21 | 135.76 | 1.15 | 41.64 |
| 2.395 | 15.22 | 50.35 | 0.66 | 7.21 | 145.81 | 1.15 | 41.64 |
| 2.432 | 15.22 | 50.35 | 0.68 | 7.21 | 144.74 | 1.19 | 41.64 |
| 2.446 | 15.22 | 50.35 | 0.68 | 7.22 | 142.61 | 1.19 | 41.64 |
| 2.507 | 15.22 | 50.35 | 0.68 | 7.24 | 131.0  | 1.19 | 41.64 |
| 2.58  | 15.22 | 50.35 | 0.68 | 7.26 | 127.98 | 1.19 | 41.64 |
| 2.612 | 15.22 | 50.35 | 0.71 | 7.33 | 136.0  | 1.21 | 41.64 |
| 2.619 | 15.22 | 50.35 | 0.71 | 7.36 | 138.3  | 1.21 | 41.64 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.646 | 15.22 | 50.35 | 0.71 | 7.36 | 144.33 | 1.21 | 41.64 |
| 2.692 | 15.22 | 50.35 | 0.66 | 7.37 | 141.96 | 1.26 | 41.64 |
| 2.753 | 15.22 | 50.35 | 0.66 | 7.38 | 131.97 | 1.26 | 41.64 |
| 2.809 | 15.22 | 50.35 | 0.66 | 7.4  | 125.83 | 1.26 | 41.64 |
| 2.849 | 15.22 | 50.35 | 0.66 | 7.42 | 130.66 | 1.26 | 41.64 |
| 2.882 | 15.22 | 50.35 | 0.66 | 7.43 | 135.44 | 1.26 | 41.64 |
| 2.914 | 15.22 | 50.35 | 0.68 | 7.43 | 137.46 | 1.31 | 41.64 |
| 2.94  | 15.22 | 50.35 | 0.68 | 7.44 | 133.45 | 1.31 | 41.64 |
| 2.964 | 15.22 | 50.35 | 0.68 | 7.44 | 130.26 | 1.31 | 41.64 |
| 2.993 | 15.22 | 50.35 | 0.68 | 7.45 | 130.63 | 1.31 | 41.64 |
| 3.008 | 15.22 | 50.35 | 0.63 | 7.47 | 132.12 | 1.31 | 41.64 |
| 3.012 | 15.22 | 50.35 | 0.61 | 7.48 | 131.83 | 1.34 | 41.64 |
| 3.028 | 15.22 | 50.35 | 0.61 | 7.49 | 129.3  | 1.34 | 41.64 |
| 3.029 | 15.22 | 50.35 | 0.61 | 7.49 | 131.4  | 1.34 | 41.64 |
| 3.035 | 15.22 | 50.35 | 0.68 | 7.48 | 130.8  | 1.36 | 41.64 |
| 3.075 | 15.22 | 50.35 | 0.68 | 7.47 | 128.32 | 1.36 | 41.64 |
| 3.154 | 15.22 | 50.35 | 0.68 | 7.47 | 126.29 | 1.36 | 41.64 |
| 3.227 | 15.22 | 50.35 | 0.68 | 7.48 | 127.29 | 1.36 | 41.64 |
| 3.27  | 15.22 | 50.35 | 0.68 | 7.49 | 125.99 | 1.37 | 41.64 |
| 3.292 | 15.22 | 50.35 | 0.68 | 7.5  | 123.55 | 1.37 | 41.64 |
| 3.311 | 15.22 | 50.35 | 0.68 | 7.5  | 123.46 | 1.37 | 41.64 |
| 3.327 | 15.22 | 50.35 | 0.66 | 7.49 | 127.34 | 1.37 | 41.64 |
| 3.357 | 15.22 | 50.35 | 0.66 | 7.48 | 123.06 | 1.37 | 41.64 |
| 3.407 | 15.22 | 50.35 | 0.66 | 7.49 | 122.34 | 1.37 | 41.64 |
| 3.466 | 15.22 | 50.35 | 0.66 | 7.49 | 121.89 | 1.37 | 41.64 |
| 3.514 | 15.22 | 50.35 | 0.68 | 7.51 | 121.31 | 1.38 | 41.64 |
| 3.55  | 15.22 | 50.35 | 0.68 | 7.52 | 121.89 | 1.38 | 41.64 |
| 3.592 | 15.22 | 50.35 | 0.68 | 7.53 | 120.67 | 1.38 | 41.64 |
| 3.665 | 15.22 | 50.35 | 0.68 | 7.53 | 119.13 | 1.38 | 41.64 |
| 3.764 | 15.22 | 50.35 | 0.66 | 7.51 | 117.28 | 1.4  | 41.64 |
| 3.87  | 15.22 | 50.35 | 0.66 | 7.51 | 115.83 | 1.4  | 41.64 |
| 3.948 | 15.22 | 50.35 | 0.66 | 7.52 | 112.97 | 1.4  | 41.64 |
| 3.984 | 15.22 | 50.35 | 0.68 | 7.61 | 115.96 | 1.46 | 41.64 |
| 4.0   | 15.22 | 50.35 | 0.68 | 7.63 | 113.76 | 1.46 | 41.64 |
| 4.044 | 15.22 | 50.35 | 0.68 | 7.65 | 109.86 | 1.46 | 41.64 |
| 4.142 | 15.22 | 50.35 | 0.66 | 7.66 | 106.54 | 1.5  | 41.64 |
| 4.299 | 15.22 | 50.35 | 0.66 | 7.67 | 103.91 | 1.5  | 41.65 |
| 4.474 | 15.22 | 50.35 | 0.66 | 7.67 | 100.65 | 1.5  | 41.64 |
| 4.646 | 15.22 | 50.35 | 0.66 | 7.66 | 97.55  | 1.5  | 41.64 |
| 4.751 | 15.22 | 50.35 | 0.66 | 7.64 | 95.67  | 1.55 | 41.64 |
| 4.807 | 15.22 | 50.35 | 0.66 | 7.62 | 94.37  | 1.55 | 41.64 |
| 4.824 | 15.22 | 50.35 | 0.66 | 7.57 | 96.36  | 1.55 | 41.65 |
| 4.829 | 15.22 | 50.35 | 0.66 | 7.55 | 94.47  | 1.55 | 41.64 |
| 4.868 | 15.22 | 50.35 | 0.63 | 7.55 | 91.92  | 1.61 | 41.64 |
| 4.946 | 15.22 | 50.35 | 0.63 | 7.55 | 90.53  | 1.61 | 41.64 |
| 5.027 | 15.22 | 50.35 | 0.63 | 7.57 | 89.96  | 1.61 | 41.65 |
| 5.089 | 15.22 | 50.35 | 0.63 | 7.6  | 89.92  | 1.61 | 41.65 |
| 5.144 | 15.22 | 50.35 | 0.71 | 7.63 | 88.98  | 1.56 | 41.65 |
| 5.219 | 15.22 | 50.35 | 0.71 | 7.66 | 86.93  | 1.56 | 41.65 |
| 5.287 | 15.22 | 50.35 | 0.71 | 7.67 | 85.84  | 1.56 | 41.65 |
| 5.333 | 15.22 | 50.36 | 0.71 | 7.69 | 85.04  | 1.56 | 41.65 |
| 5.357 | 15.22 | 50.36 | 0.68 | 7.7  | 84.45  | 1.59 | 41.65 |
| 5.374 | 15.22 | 50.36 | 0.68 | 7.7  | 84.49  | 1.59 | 41.65 |
| 5.413 | 15.22 | 50.36 | 0.68 | 7.7  | 83.74  | 1.59 | 41.65 |
| 5.479 | 15.22 | 50.35 | 0.68 | 7.69 | 82.65  | 1.59 | 41.64 |
| 5.571 | 15.22 | 50.35 | 0.68 | 7.69 | 80.54  | 1.59 | 41.64 |
| 5.667 | 15.22 | 50.35 | 0.71 | 7.69 | 78.72  | 1.62 | 41.64 |
| 5.759 | 15.22 | 50.36 | 0.71 | 7.7  | 76.92  | 1.62 | 41.65 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 5.843 | 15.22 | 50.36 | 0.71 | 7.7  | 75.9  | 1.62 | 41.65 |
| 5.908 | 15.22 | 50.36 | 0.71 | 7.69 | 75.39 | 1.62 | 41.65 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.32         | 50.35                  | 0.49              | 6.05              | 142.89                         | 0.56                              | 41.51              |
| <b>PROF (metros)</b> | 1.604         | 1.623                  | 0.756             | 1.623             | 1.0                            | 0.756                             | 1.623              |
| <b>MÁXIMO</b>        | 15.41         | 15.41                  | 0.56              | 8.14              | 710.33                         | 0.87                              | 41.69              |
| <b>PROF (metros)</b> | 0.891         | 1.627                  | 1.648             | 1.633             | 1.623                          | 1.869                             | 1.648              |

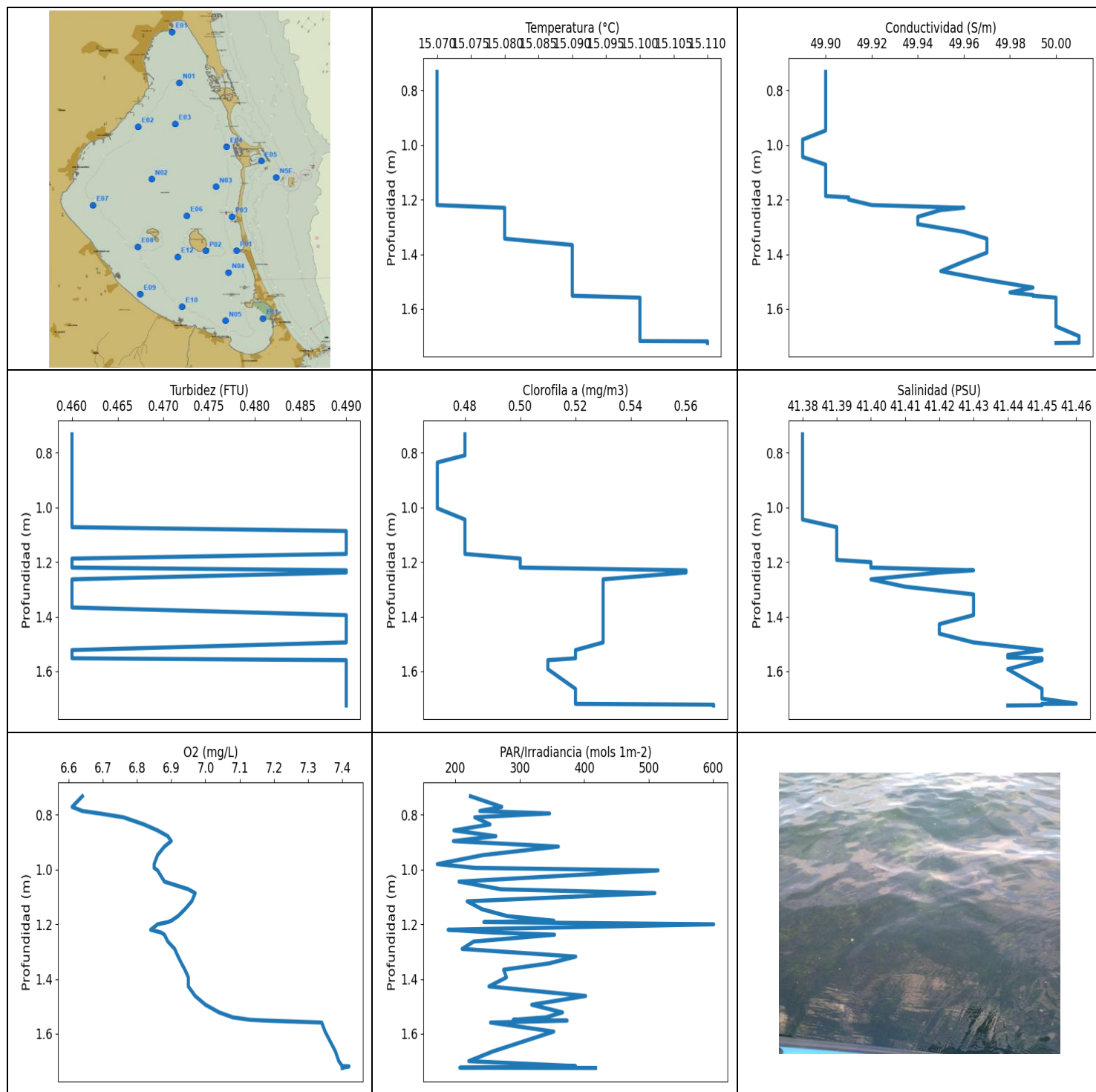
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P02 - Punto 012                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.4       | 50.58               | 0.49           | 7.75           | 393.45                      | 0.56              | 41.67           |
| 1 - 2m                                                     | 15.38      | 50.54               | 0.51           | 7.53           | 368.06                      | 0.77              | 41.65           |

| 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                                                          | 15.4       | 50.58               | 0.49           | 7.74           | 413.01                      | 0.56              | 41.67           |
| 0.891                                                          | 15.41      | 50.58               | 0.49           | 7.77           | 373.89                      | 0.56              | 41.67           |
| 1.0                                                            | 15.41      | 50.56               | 0.49           | 7.8            | 142.89                      | 0.56              | 41.64           |
| 1.074                                                          | 15.41      | 50.52               | 0.49           | 7.79           | 295.98                      | 0.56              | 41.6            |
| 1.148                                                          | 15.4       | 50.5                | 0.49           | 7.73           | 347.28                      | 0.56              | 41.59           |
| 1.253                                                          | 15.4       | 50.52               | 0.51           | 7.64           | 288.28                      | 0.63              | 41.62           |
| 1.347                                                          | 15.39      | 50.49               | 0.51           | 7.5            | 251.55                      | 0.63              | 41.6            |
| 1.414                                                          | 15.38      | 50.46               | 0.51           | 7.34           | 256.25                      | 0.63              | 41.57           |
| 1.472                                                          | 15.38      | 50.45               | 0.51           | 7.18           | 252.37                      | 0.63              | 41.56           |
| 1.476                                                          | 15.35      | 50.45               | 0.51           | 6.75           | 364.01                      | 0.74              | 41.6            |
| 1.488                                                          | 15.35      | 50.49               | 0.51           | 6.65           | 229.66                      | 0.74              | 41.64           |
| 1.517                                                          | 15.35      | 50.48               | 0.51           | 6.58           | 213.73                      | 0.74              | 41.63           |
| 1.545                                                          | 15.35      | 50.43               | 0.49           | 6.52           | 356.4                       | 0.73              | 41.58           |
| 1.554                                                          | 15.35      | 50.41               | 0.49           | 6.48           | 212.11                      | 0.73              | 41.56           |
| 1.558                                                          | 15.34      | 50.4                | 0.49           | 6.44           | 294.89                      | 0.73              | 41.57           |
| 1.604                                                          | 15.32      | 50.43               | 0.49           | 6.41           | 225.35                      | 0.73              | 41.62           |
| 1.623                                                          | 15.35      | 50.35               | 0.49           | 6.05           | 710.33                      | 0.81              | 41.51           |
| 1.627                                                          | 15.39      | 50.59               | 0.54           | 7.9            | 563.54                      | 0.82              | 41.68           |
| 1.633                                                          | 15.4       | 50.59               | 0.51           | 8.14           | 629.19                      | 0.8               | 41.68           |
| 1.637                                                          | 15.4       | 50.59               | 0.51           | 8.0            | 551.64                      | 0.81              | 41.68           |
| 1.645                                                          | 15.4       | 50.59               | 0.49           | 7.95           | 472.92                      | 0.8               | 41.68           |
| 1.648                                                          | 15.39      | 50.59               | 0.56           | 7.85           | 398.0                       | 0.8               | 41.69           |
| 1.65                                                           | 15.39      | 50.59               | 0.51           | 7.78           | 315.28                      | 0.82              | 41.69           |
| 1.653                                                          | 15.39      | 50.59               | 0.49           | 7.78           | 473.65                      | 0.77              | 41.69           |
| 1.66                                                           | 15.39      | 50.59               | 0.49           | 7.77           | 633.04                      | 0.77              | 41.69           |
| 1.662                                                          | 15.39      | 50.59               | 0.49           | 7.8            | 559.5                       | 0.8               | 41.69           |
| 1.692                                                          | 15.39      | 50.59               | 0.49           | 7.8            | 434.32                      | 0.8               | 41.69           |
| 1.75                                                           | 15.39      | 50.59               | 0.49           | 7.8            | 357.49                      | 0.8               | 41.69           |
| 1.755                                                          | 15.39      | 50.59               | 0.49           | 7.78           | 292.33                      | 0.81              | 41.69           |
| 1.756                                                          | 15.39      | 50.58               | 0.49           | 7.78           | 390.96                      | 0.83              | 41.69           |
| 1.763                                                          | 15.38      | 50.58               | 0.51           | 7.78           | 333.13                      | 0.8               | 41.69           |
| 1.767                                                          | 15.38      | 50.58               | 0.49           | 7.78           | 287.97                      | 0.83              | 41.69           |
| 1.773                                                          | 15.38      | 50.58               | 0.49           | 7.79           | 373.4                       | 0.83              | 41.69           |
| 1.779                                                          | 15.38      | 50.58               | 0.49           | 7.8            | 336.2                       | 0.83              | 41.69           |
| 1.785                                                          | 15.38      | 50.58               | 0.54           | 7.81           | 587.09                      | 0.8               | 41.69           |
| 1.79                                                           | 15.38      | 50.58               | 0.54           | 7.81           | 250.83                      | 0.8               | 41.69           |
| 1.793                                                          | 15.39      | 50.58               | 0.54           | 7.82           | 371.37                      | 0.8               | 41.69           |
| 1.798                                                          | 15.39      | 50.59               | 0.54           | 7.8            | 421.92                      | 0.8               | 41.69           |
| 1.802                                                          | 15.39      | 50.59               | 0.51           | 7.8            | 316.86                      | 0.83              | 41.69           |
| 1.805                                                          | 15.39      | 50.58               | 0.51           | 7.79           | 309.9                       | 0.83              | 41.69           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.808 | 15.39 | 50.58 | 0.51 | 7.78 | 340.17 | 0.83 | 41.69 |
| 1.813 | 15.39 | 50.58 | 0.51 | 7.81 | 397.05 | 0.83 | 41.68 |
| 1.823 | 15.39 | 50.58 | 0.51 | 7.81 | 328.24 | 0.83 | 41.68 |
| 1.848 | 15.39 | 50.58 | 0.51 | 7.81 | 247.85 | 0.83 | 41.69 |
| 1.869 | 15.39 | 50.58 | 0.54 | 7.82 | 411.49 | 0.87 | 41.68 |





### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

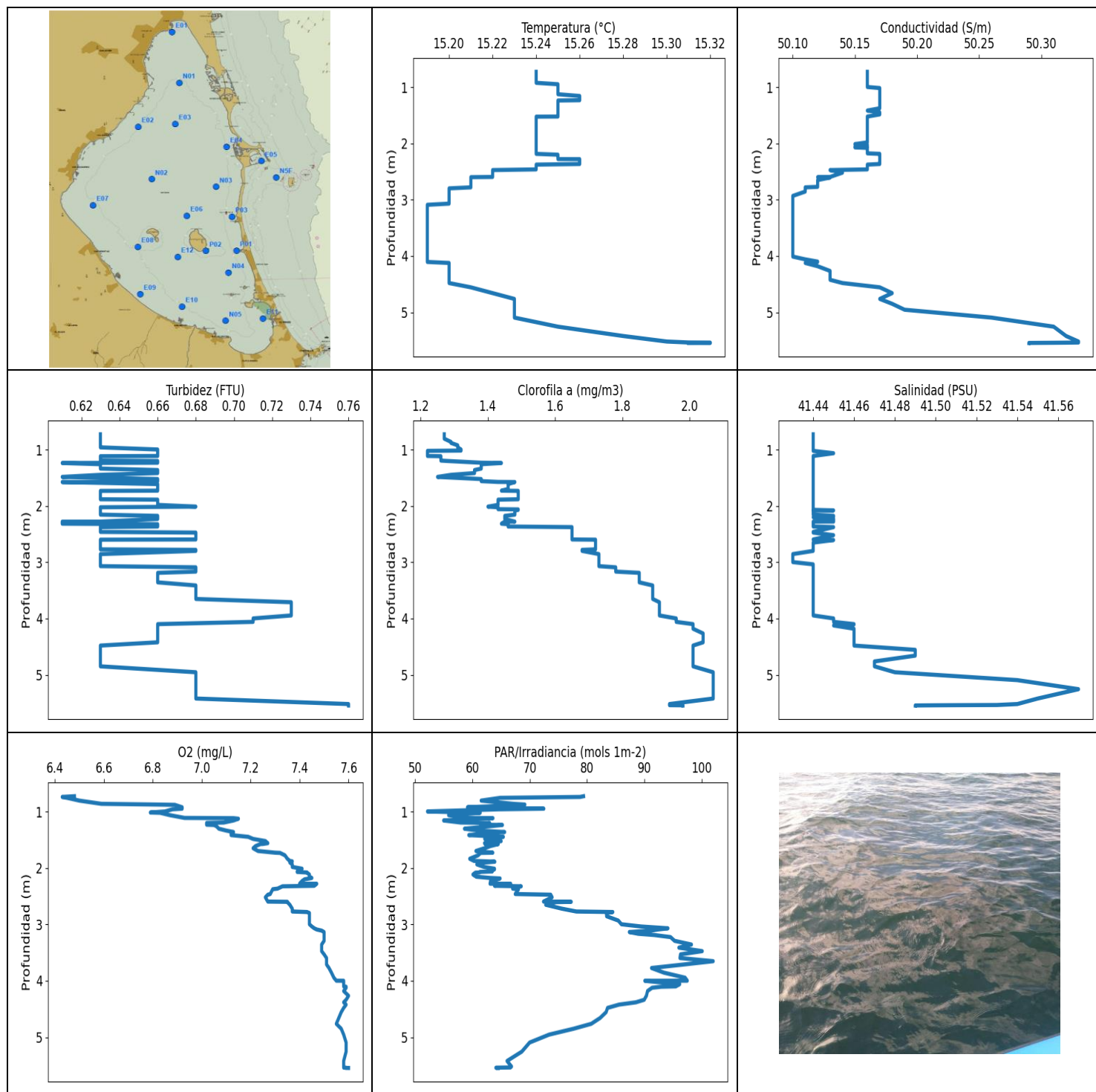
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m³) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|----------------------|--------------------|
| <b>MÍNIMO</b>        | 15.07         | 49.89                  | 0.46              | 6.61              | 171.98                         | 0.47                 | 41.38              |
| <b>PROF (metros)</b> | 0.732         | 0.98                   | 0.732             | 0.771             | 0.98                           | 0.835                | 0.732              |
| <b>MÁXIMO</b>        | 15.11         | 15.11                  | 0.49              | 7.42              | 600.67                         | 0.57                 | 41.46              |
| <b>PROF (metros)</b> | 1.719         | 1.7                    | 1.086             | 1.719             | 1.2                            | 1.722                | 1.718              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P01 - Punto 013                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.07      | 49.9                | 0.46           | 6.79           | 248.19                      | 0.48              | 41.38           |
| 1 - 2m                                                     | 15.08      | 49.96               | 0.48           | 7.06           | 315.93                      | 0.52              | 41.42           |

| 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) |
| 0.732                                                          | 15.07      | 49.9                | 0.46           | 6.64           | 223.35                      | 0.48              | 41.38           |
| 0.771                                                          | 15.07      | 49.9                | 0.46           | 6.61           | 271.94                      | 0.48              | 41.38           |
| 0.786                                                          | 15.07      | 49.9                | 0.46           | 6.64           | 237.91                      | 0.48              | 41.38           |
| 0.795                                                          | 15.07      | 49.9                | 0.46           | 6.69           | 346.15                      | 0.48              | 41.38           |
| 0.809                                                          | 15.07      | 49.9                | 0.46           | 6.76           | 230.11                      | 0.48              | 41.38           |
| 0.835                                                          | 15.07      | 49.9                | 0.46           | 6.82           | 253.69                      | 0.47              | 41.38           |
| 0.857                                                          | 15.07      | 49.9                | 0.46           | 6.86           | 197.7                       | 0.47              | 41.38           |
| 0.878                                                          | 15.07      | 49.9                | 0.46           | 6.89           | 262.86                      | 0.47              | 41.38           |
| 0.896                                                          | 15.07      | 49.9                | 0.46           | 6.9            | 196.89                      | 0.47              | 41.38           |
| 0.916                                                          | 15.07      | 49.9                | 0.46           | 6.88           | 359.75                      | 0.47              | 41.38           |
| 0.947                                                          | 15.07      | 49.9                | 0.46           | 6.86           | 243.09                      | 0.47              | 41.38           |
| 0.98                                                           | 15.07      | 49.89               | 0.46           | 6.85           | 171.98                      | 0.47              | 41.38           |
| 0.994                                                          | 15.07      | 49.89               | 0.46           | 6.85           | 231.11                      | 0.47              | 41.38           |
| 1.003                                                          | 15.07      | 49.89               | 0.46           | 6.86           | 514.4                       | 0.47              | 41.38           |
| 1.044                                                          | 15.07      | 49.89               | 0.46           | 6.88           | 205.61                      | 0.48              | 41.38           |
| 1.072                                                          | 15.07      | 49.9                | 0.46           | 6.95           | 270.7                       | 0.48              | 41.39           |
| 1.086                                                          | 15.07      | 49.9                | 0.49           | 6.97           | 509.38                      | 0.48              | 41.39           |
| 1.116                                                          | 15.07      | 49.9                | 0.49           | 6.96           | 218.3                       | 0.48              | 41.39           |
| 1.145                                                          | 15.07      | 49.9                | 0.49           | 6.94           | 241.4                       | 0.48              | 41.39           |
| 1.17                                                           | 15.07      | 49.9                | 0.49           | 6.92           | 280.42                      | 0.48              | 41.39           |
| 1.187                                                          | 15.07      | 49.9                | 0.46           | 6.9            | 352.77                      | 0.5               | 41.39           |
| 1.192                                                          | 15.07      | 49.91               | 0.46           | 6.89           | 244.15                      | 0.5               | 41.39           |
| 1.2                                                            | 15.07      | 49.91               | 0.46           | 6.86           | 600.67                      | 0.5               | 41.4            |
| 1.22                                                           | 15.07      | 49.92               | 0.46           | 6.84           | 188.83                      | 0.5               | 41.4            |
| 1.23                                                           | 15.08      | 49.96               | 0.49           | 6.87           | 257.03                      | 0.56              | 41.43           |
| 1.238                                                          | 15.08      | 49.95               | 0.49           | 6.88           | 353.85                      | 0.56              | 41.42           |
| 1.263                                                          | 15.08      | 49.94               | 0.46           | 6.89           | 228.46                      | 0.53              | 41.4            |
| 1.29                                                           | 15.08      | 49.94               | 0.46           | 6.91           | 210.5                       | 0.53              | 41.41           |
| 1.318                                                          | 15.08      | 49.96               | 0.46           | 6.92           | 386.64                      | 0.53              | 41.43           |
| 1.343                                                          | 15.08      | 49.97               | 0.46           | 6.93           | 345.17                      | 0.53              | 41.43           |
| 1.366                                                          | 15.09      | 49.97               | 0.46           | 6.94           | 274.86                      | 0.53              | 41.43           |
| 1.394                                                          | 15.09      | 49.97               | 0.49           | 6.95           | 279.26                      | 0.53              | 41.43           |
| 1.427                                                          | 15.09      | 49.96               | 0.49           | 6.95           | 252.09                      | 0.53              | 41.42           |
| 1.462                                                          | 15.09      | 49.95               | 0.49           | 6.97           | 402.01                      | 0.53              | 41.42           |
| 1.494                                                          | 15.09      | 49.97               | 0.49           | 7.0            | 318.45                      | 0.53              | 41.43           |
| 1.522                                                          | 15.09      | 49.99               | 0.46           | 7.04           | 366.23                      | 0.52              | 41.45           |
| 1.54                                                           | 15.09      | 49.98               | 0.46           | 7.08           | 340.47                      | 0.52              | 41.44           |
| 1.549                                                          | 15.09      | 49.99               | 0.46           | 7.13           | 289.73                      | 0.52              | 41.44           |
| 1.552                                                          | 15.09      | 49.99               | 0.46           | 7.18           | 373.32                      | 0.52              | 41.45           |
| 1.559                                                          | 15.1       | 50.0                | 0.49           | 7.34           | 254.52                      | 0.51              | 41.45           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.592 | 15.1  | 50.0  | 0.49 | 7.35 | 352.54 | 0.51 | 41.44 |
| 1.664 | 15.1  | 50.0  | 0.49 | 7.38 | 258.77 | 0.52 | 41.45 |
| 1.7   | 15.1  | 50.01 | 0.49 | 7.39 | 220.83 | 0.52 | 41.45 |
| 1.718 | 15.1  | 50.01 | 0.49 | 7.4  | 386.31 | 0.52 | 41.46 |
| 1.719 | 15.11 | 50.01 | 0.49 | 7.42 | 345.7  | 0.52 | 41.45 |
| 1.722 | 15.11 | 50.01 | 0.49 | 7.41 | 309.76 | 0.57 | 41.45 |
| 1.724 | 15.11 | 50.01 | 0.49 | 7.4  | 206.91 | 0.57 | 41.45 |
| 1.725 | 15.11 | 50.0  | 0.49 | 7.4  | 417.45 | 0.57 | 41.44 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.19         | 50.1                   | 0.61              | 6.43              | 52.16                          | 1.22                              | 41.43              |
| <b>PROF (metros)</b> | 3.091         | 2.933                  | 1.238             | 0.741             | 0.998                          | 1.022                             | 2.856              |
| <b>MÁXIMO</b>        | 15.32         | 15.32                  | 0.76              | 7.6               | 102.0                          | 2.07                              | 41.57              |
| <b>PROF (metros)</b> | 5.54          | 5.52                   | 5.52              | 4.266             | 3.653                          | 4.955                             | 5.256              |

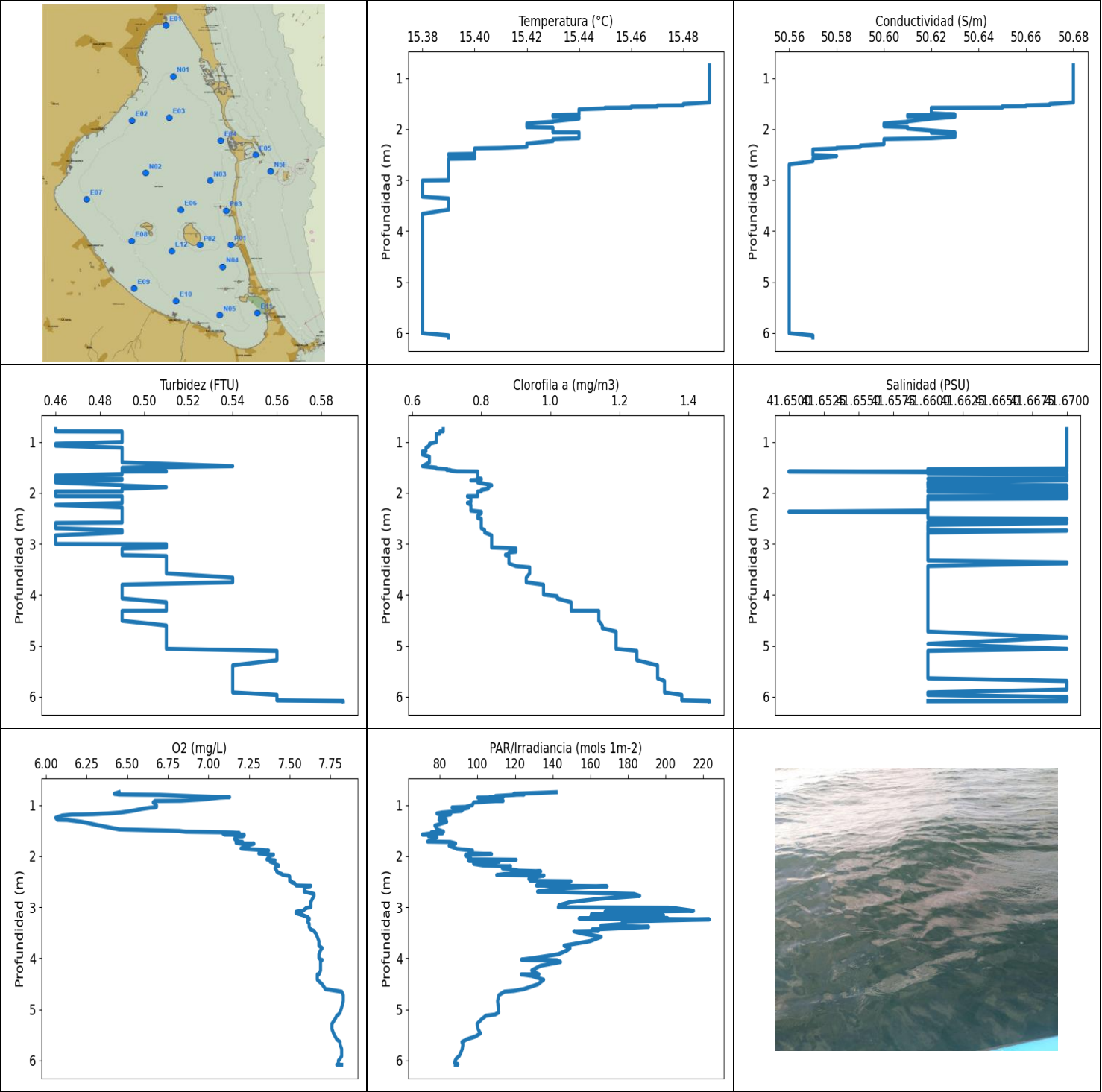
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E04 - Punto 014                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.24      | 50.16               | 0.64           | 6.7            | 67.11                       | 1.29              | 41.44           |
| 1 - 2m                                                     | 15.25      | 50.16               | 0.65           | 7.17           | 61.67                       | 1.38              | 41.44           |
| 2 - 3m                                                     | 15.23      | 50.15               | 0.65           | 7.39           | 69.68                       | 1.56              | 41.44           |
| 3 - 4m                                                     | 15.19      | 50.1                | 0.68           | 7.5            | 94.49                       | 1.85              | 41.44           |
| 4 - 5m                                                     | 15.2       | 50.14               | 0.66           | 7.58           | 87.23                       | 2.01              | 41.46           |
| 5 - 6m                                                     | 15.29      | 50.31               | 0.73           | 7.59           | 66.15                       | 2.0               | 41.52           |

| OBSERVACIONES GENERALES                                                                   |
|-------------------------------------------------------------------------------------------|
| CLOROFILA elevada en la(s) columna(s) de agua 4 - 5m con los valores 2.01 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) |
| 0.728                                                          | 15.24      | 50.16               | 0.63           | 6.48           | 79.39                       | 1.27              | 41.44           |
| 0.741                                                          | 15.24      | 50.16               | 0.63           | 6.43           | 78.78                       | 1.27              | 41.44           |
| 0.757                                                          | 15.24      | 50.16               | 0.63           | 6.45           | 64.83                       | 1.27              | 41.44           |
| 0.806                                                          | 15.24      | 50.16               | 0.63           | 6.5            | 61.53                       | 1.27              | 41.44           |
| 0.863                                                          | 15.24      | 50.16               | 0.63           | 6.59           | 67.1                        | 1.29              | 41.44           |
| 0.876                                                          | 15.24      | 50.16               | 0.63           | 6.82           | 69.15                       | 1.29              | 41.44           |
| 0.881                                                          | 15.24      | 50.16               | 0.63           | 6.89           | 69.01                       | 1.29              | 41.44           |
| 0.924                                                          | 15.24      | 50.16               | 0.63           | 6.92           | 59.14                       | 1.31              | 41.44           |
| 0.949                                                          | 15.25      | 50.16               | 0.63           | 6.92           | 72.46                       | 1.31              | 41.44           |
| 0.96                                                           | 15.25      | 50.16               | 0.63           | 6.88           | 64.64                       | 1.31              | 41.44           |
| 0.998                                                          | 15.25      | 50.16               | 0.66           | 6.85           | 52.16                       | 1.32              | 41.44           |
| 1.017                                                          | 15.25      | 50.17               | 0.66           | 6.79           | 59.29                       | 1.32              | 41.44           |
| 1.022                                                          | 15.25      | 50.17               | 0.66           | 6.83           | 61.36                       | 1.22              | 41.44           |
| 1.064                                                          | 15.25      | 50.17               | 0.66           | 6.87           | 55.85                       | 1.22              | 41.45           |
| 1.113                                                          | 15.25      | 50.17               | 0.66           | 6.93           | 59.33                       | 1.22              | 41.44           |
| 1.117                                                          | 15.25      | 50.17               | 0.63           | 7.13           | 63.59                       | 1.26              | 41.44           |
| 1.127                                                          | 15.25      | 50.17               | 0.63           | 7.15           | 60.55                       | 1.26              | 41.44           |
| 1.158                                                          | 15.26      | 50.17               | 0.63           | 7.13           | 54.98                       | 1.26              | 41.44           |
| 1.195                                                          | 15.26      | 50.17               | 0.63           | 7.09           | 57.97                       | 1.26              | 41.44           |
| 1.202                                                          | 15.26      | 50.17               | 0.66           | 7.02           | 63.01                       | 1.28              | 41.44           |
| 1.233                                                          | 15.26      | 50.17               | 0.66           | 7.02           | 61.48                       | 1.38              | 41.44           |
| 1.238                                                          | 15.25      | 50.17               | 0.61           | 7.05           | 65.24                       | 1.44              | 41.44           |
| 1.259                                                          | 15.25      | 50.17               | 0.63           | 7.06           | 63.1                        | 1.38              | 41.44           |
| 1.304                                                          | 15.25      | 50.17               | 0.63           | 7.07           | 58.61                       | 1.38              | 41.44           |
| 1.337                                                          | 15.25      | 50.17               | 0.63           | 7.1            | 61.12                       | 1.38              | 41.44           |
| 1.363                                                          | 15.25      | 50.17               | 0.66           | 7.13           | 65.63                       | 1.36              | 41.44           |
| 1.376                                                          | 15.25      | 50.17               | 0.66           | 7.12           | 63.73                       | 1.36              | 41.44           |
| 1.417                                                          | 15.25      | 50.16               | 0.66           | 7.12           | 59.37                       | 1.36              | 41.44           |
| 1.448                                                          | 15.25      | 50.17               | 0.63           | 7.19           | 65.4                        | 1.29              | 41.44           |
| 1.485                                                          | 15.25      | 50.17               | 0.61           | 7.21           | 62.15                       | 1.25              | 41.44           |
| 1.523                                                          | 15.25      | 50.16               | 0.66           | 7.26           | 65.02                       | 1.38              | 41.44           |
| 1.525                                                          | 15.24      | 50.16               | 0.66           | 7.26           | 63.53                       | 1.38              | 41.44           |
| 1.56                                                           | 15.24      | 50.16               | 0.66           | 7.27           | 62.11                       | 1.38              | 41.44           |
| 1.574                                                          | 15.24      | 50.16               | 0.63           | 7.25           | 62.2                        | 1.43              | 41.44           |
| 1.576                                                          | 15.24      | 50.16               | 0.61           | 7.24           | 64.51                       | 1.48              | 41.44           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.612 | 15.24 | 50.16 | 0.66 | 7.22 | 63.13  | 1.46 | 41.44 |
| 1.65  | 15.24 | 50.16 | 0.66 | 7.21 | 62.11  | 1.46 | 41.44 |
| 1.699 | 15.24 | 50.16 | 0.66 | 7.23 | 60.61  | 1.46 | 41.44 |
| 1.729 | 15.24 | 50.16 | 0.66 | 7.3  | 63.56  | 1.44 | 41.44 |
| 1.733 | 15.24 | 50.16 | 0.63 | 7.32 | 61.44  | 1.49 | 41.44 |
| 1.776 | 15.24 | 50.16 | 0.63 | 7.34 | 60.98  | 1.49 | 41.44 |
| 1.837 | 15.24 | 50.16 | 0.63 | 7.35 | 59.53  | 1.49 | 41.44 |
| 1.875 | 15.24 | 50.16 | 0.63 | 7.36 | 60.28  | 1.49 | 41.44 |
| 1.882 | 15.24 | 50.16 | 0.63 | 7.37 | 62.24  | 1.49 | 41.44 |
| 1.889 | 15.24 | 50.16 | 0.66 | 7.36 | 63.91  | 1.43 | 41.44 |
| 1.903 | 15.24 | 50.16 | 0.66 | 7.36 | 62.23  | 1.43 | 41.44 |
| 1.936 | 15.24 | 50.16 | 0.66 | 7.37 | 60.77  | 1.43 | 41.44 |
| 1.982 | 15.24 | 50.16 | 0.66 | 7.37 | 62.02  | 1.43 | 41.44 |
| 2.013 | 15.24 | 50.15 | 0.68 | 7.41 | 63.85  | 1.4  | 41.44 |
| 2.024 | 15.24 | 50.16 | 0.63 | 7.4  | 63.85  | 1.43 | 41.44 |
| 2.058 | 15.24 | 50.16 | 0.63 | 7.4  | 63.1   | 1.43 | 41.44 |
| 2.062 | 15.24 | 50.15 | 0.63 | 7.39 | 63.46  | 1.49 | 41.44 |
| 2.07  | 15.24 | 50.15 | 0.63 | 7.39 | 61.29  | 1.49 | 41.44 |
| 2.08  | 15.24 | 50.16 | 0.63 | 7.43 | 61.26  | 1.48 | 41.45 |
| 2.083 | 15.24 | 50.16 | 0.63 | 7.43 | 60.52  | 1.48 | 41.44 |
| 2.116 | 15.24 | 50.16 | 0.63 | 7.44 | 60.09  | 1.48 | 41.44 |
| 2.155 | 15.24 | 50.16 | 0.63 | 7.44 | 60.68  | 1.48 | 41.44 |
| 2.177 | 15.24 | 50.16 | 0.66 | 7.45 | 63.08  | 1.45 | 41.45 |
| 2.186 | 15.24 | 50.17 | 0.66 | 7.44 | 64.83  | 1.45 | 41.45 |
| 2.201 | 15.25 | 50.17 | 0.66 | 7.42 | 64.44  | 1.45 | 41.44 |
| 2.232 | 15.25 | 50.17 | 0.66 | 7.41 | 63.16  | 1.45 | 41.45 |
| 2.279 | 15.25 | 50.17 | 0.63 | 7.4  | 63.08  | 1.48 | 41.45 |
| 2.28  | 15.26 | 50.17 | 0.61 | 7.47 | 66.68  | 1.45 | 41.44 |
| 2.316 | 15.26 | 50.17 | 0.61 | 7.46 | 63.86  | 1.44 | 41.44 |
| 2.325 | 15.26 | 50.17 | 0.66 | 7.33 | 68.52  | 1.46 | 41.44 |
| 2.366 | 15.26 | 50.17 | 0.66 | 7.31 | 67.01  | 1.46 | 41.44 |
| 2.377 | 15.24 | 50.16 | 0.63 | 7.29 | 68.04  | 1.65 | 41.45 |
| 2.462 | 15.24 | 50.16 | 0.63 | 7.28 | 67.47  | 1.65 | 41.44 |
| 2.474 | 15.22 | 50.13 | 0.68 | 7.27 | 73.66  | 1.65 | 41.44 |
| 2.52  | 15.22 | 50.14 | 0.68 | 7.26 | 73.9   | 1.65 | 41.45 |
| 2.596 | 15.22 | 50.13 | 0.68 | 7.27 | 72.4   | 1.65 | 41.44 |
| 2.6   | 15.21 | 50.12 | 0.63 | 7.35 | 77.24  | 1.72 | 41.44 |
| 2.606 | 15.21 | 50.13 | 0.63 | 7.35 | 74.58  | 1.72 | 41.45 |
| 2.652 | 15.21 | 50.12 | 0.63 | 7.36 | 72.78  | 1.72 | 41.44 |
| 2.722 | 15.21 | 50.12 | 0.63 | 7.37 | 75.61  | 1.72 | 41.44 |
| 2.772 | 15.21 | 50.12 | 0.63 | 7.37 | 78.13  | 1.72 | 41.44 |
| 2.781 | 15.21 | 50.11 | 0.68 | 7.43 | 84.49  | 1.68 | 41.44 |
| 2.799 | 15.2  | 50.11 | 0.68 | 7.44 | 83.39  | 1.68 | 41.44 |
| 2.856 | 15.2  | 50.11 | 0.63 | 7.44 | 83.41  | 1.73 | 41.43 |
| 2.933 | 15.2  | 50.1  | 0.63 | 7.44 | 85.45  | 1.73 | 41.43 |
| 2.998 | 15.2  | 50.1  | 0.63 | 7.44 | 85.99  | 1.73 | 41.43 |
| 3.038 | 15.2  | 50.1  | 0.63 | 7.45 | 89.43  | 1.73 | 41.44 |
| 3.07  | 15.2  | 50.1  | 0.63 | 7.46 | 94.1   | 1.73 | 41.44 |
| 3.091 | 15.19 | 50.1  | 0.68 | 7.47 | 92.38  | 1.78 | 41.44 |
| 3.111 | 15.19 | 50.1  | 0.68 | 7.49 | 91.18  | 1.78 | 41.44 |
| 3.136 | 15.19 | 50.1  | 0.68 | 7.5  | 87.37  | 1.78 | 41.44 |
| 3.167 | 15.19 | 50.1  | 0.68 | 7.5  | 88.92  | 1.78 | 41.44 |
| 3.189 | 15.19 | 50.1  | 0.66 | 7.5  | 91.72  | 1.85 | 41.44 |
| 3.226 | 15.19 | 50.1  | 0.66 | 7.5  | 94.56  | 1.85 | 41.44 |
| 3.292 | 15.19 | 50.1  | 0.66 | 7.5  | 95.26  | 1.85 | 41.44 |
| 3.358 | 15.19 | 50.1  | 0.66 | 7.49 | 98.21  | 1.85 | 41.44 |
| 3.413 | 15.19 | 50.1  | 0.68 | 7.49 | 96.01  | 1.89 | 41.44 |
| 3.475 | 15.19 | 50.1  | 0.68 | 7.49 | 100.09 | 1.89 | 41.44 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.532 | 15.19 | 50.1  | 0.68 | 7.5  | 96.3  | 1.89 | 41.44 |
| 3.597 | 15.19 | 50.1  | 0.68 | 7.51 | 96.2  | 1.89 | 41.44 |
| 3.653 | 15.19 | 50.1  | 0.68 | 7.51 | 102.0 | 1.89 | 41.44 |
| 3.711 | 15.19 | 50.1  | 0.73 | 7.51 | 96.91 | 1.91 | 41.44 |
| 3.774 | 15.19 | 50.1  | 0.73 | 7.52 | 91.24 | 1.91 | 41.44 |
| 3.856 | 15.19 | 50.1  | 0.73 | 7.53 | 93.39 | 1.91 | 41.44 |
| 3.946 | 15.19 | 50.1  | 0.73 | 7.54 | 97.1  | 1.91 | 41.44 |
| 3.999 | 15.19 | 50.1  | 0.71 | 7.55 | 97.48 | 1.96 | 41.45 |
| 4.0   | 15.19 | 50.1  | 0.71 | 7.58 | 90.07 | 1.96 | 41.45 |
| 4.011 | 15.19 | 50.1  | 0.71 | 7.58 | 91.02 | 1.96 | 41.45 |
| 4.06  | 15.19 | 50.11 | 0.71 | 7.58 | 96.16 | 1.96 | 41.45 |
| 4.1   | 15.19 | 50.12 | 0.66 | 7.58 | 95.47 | 2.01 | 41.46 |
| 4.106 | 15.19 | 50.12 | 0.66 | 7.59 | 92.94 | 2.01 | 41.46 |
| 4.124 | 15.2  | 50.11 | 0.66 | 7.59 | 91.34 | 2.01 | 41.45 |
| 4.182 | 15.2  | 50.12 | 0.66 | 7.58 | 90.55 | 2.01 | 41.46 |
| 4.266 | 15.2  | 50.13 | 0.66 | 7.6  | 90.35 | 2.04 | 41.46 |
| 4.337 | 15.2  | 50.13 | 0.66 | 7.59 | 89.96 | 2.04 | 41.46 |
| 4.382 | 15.2  | 50.13 | 0.66 | 7.58 | 88.52 | 2.04 | 41.46 |
| 4.423 | 15.2  | 50.13 | 0.66 | 7.59 | 85.56 | 2.04 | 41.46 |
| 4.481 | 15.2  | 50.14 | 0.63 | 7.58 | 83.57 | 2.01 | 41.46 |
| 4.557 | 15.21 | 50.17 | 0.63 | 7.57 | 83.32 | 2.01 | 41.49 |
| 4.66  | 15.22 | 50.18 | 0.63 | 7.56 | 82.27 | 2.01 | 41.49 |
| 4.763 | 15.23 | 50.17 | 0.63 | 7.55 | 80.73 | 2.01 | 41.47 |
| 4.85  | 15.23 | 50.18 | 0.63 | 7.57 | 77.66 | 2.01 | 41.47 |
| 4.955 | 15.23 | 50.19 | 0.68 | 7.58 | 73.37 | 2.07 | 41.48 |
| 5.095 | 15.23 | 50.26 | 0.68 | 7.59 | 69.98 | 2.07 | 41.54 |
| 5.256 | 15.25 | 50.31 | 0.68 | 7.59 | 68.62 | 2.07 | 41.57 |
| 5.422 | 15.28 | 50.32 | 0.68 | 7.58 | 66.04 | 2.07 | 41.55 |
| 5.52  | 15.3  | 50.33 | 0.76 | 7.58 | 66.82 | 1.94 | 41.54 |
| 5.537 | 15.31 | 50.33 | 0.76 | 7.58 | 66.64 | 1.94 | 41.53 |
| 5.54  | 15.32 | 50.32 | 0.76 | 7.58 | 64.47 | 1.94 | 41.51 |
| 5.542 | 15.32 | 50.31 | 0.76 | 7.59 | 64.09 | 1.98 | 41.5  |
| 5.545 | 15.32 | 50.29 | 0.76 | 7.59 | 64.2  | 1.98 | 41.49 |
| 5.546 | 15.31 | 50.29 | 0.76 | 7.6  | 64.52 | 1.98 | 41.49 |



| 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/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 15.38      | 50.56               | 0.46           | 6.06           | 70.83                       | 0.63              | 41.65           |
| PROF (metros)                                                                | 3.007      | 2.693               | 0.747          | 1.247          | 1.576                       | 1.185             | 1.58            |
| MÁXIMO                                                                       | 15.49      | 15.49               | 0.59           | 7.83           | 223.25                      | 1.46              | 41.67           |
| PROF (metros)                                                                | 0.747      | 0.747               | 6.082          | 4.72           | 3.237                       | 6.082             | 0.747           |



| 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                                                     | 15.49      | 50.68               | 0.48           | 6.78           | 113.18                      | 0.67              | 41.67           |
| 1 - 2m                                                     | 15.46      | 50.65               | 0.48           | 6.9            | 84.3                        | 0.72              | 41.67           |
| 2 - 3m                                                     | 15.41      | 50.59               | 0.48           | 7.49           | 127.78                      | 0.79              | 41.66           |
| 3 - 4m                                                     | 15.38      | 50.56               | 0.5            | 7.62           | 172.02                      | 0.9               | 41.66           |
| 4 - 5m                                                     | 15.38      | 50.56               | 0.5            | 7.73           | 126.12                      | 1.11              | 41.66           |
| 5 - 6m                                                     | 15.38      | 50.56               | 0.54           | 7.8            | 97.91                       | 1.29              | 41.66           |
| 6 - 7m                                                     | 15.39      | 50.57               | 0.58           | 7.8            | 88.89                       | 1.43              | 41.67           |

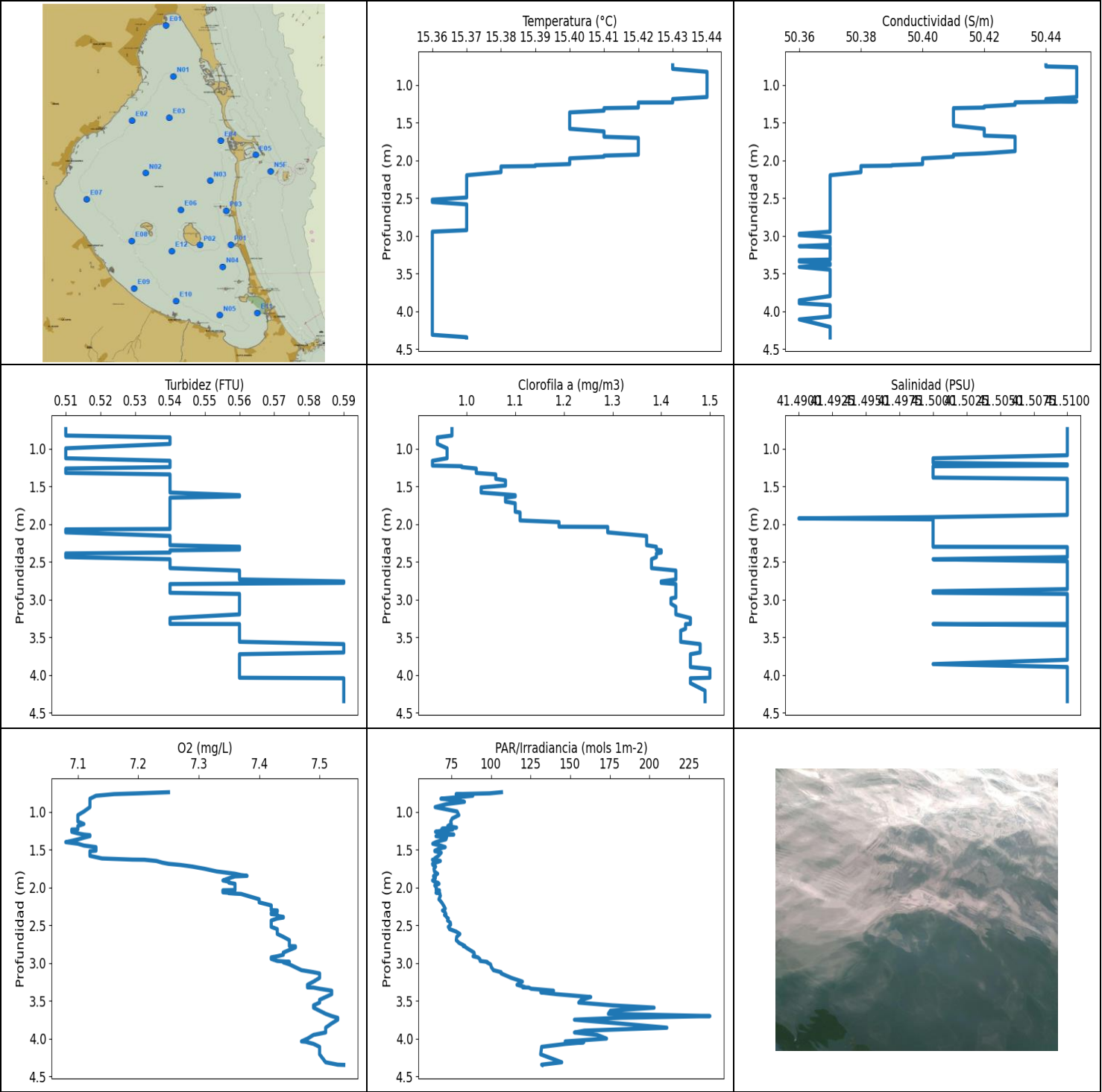
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.747                                                          | 15.49      | 50.68               | 0.46           | 6.45           | 141.84                      | 0.69              | 41.67           |
| 0.778                                                          | 15.49      | 50.68               | 0.46           | 6.42           | 119.37                      | 0.69              | 41.67           |
| 0.791                                                          | 15.49      | 50.68               | 0.46           | 6.45           | 124.82                      | 0.69              | 41.67           |
| 0.795                                                          | 15.49      | 50.68               | 0.49           | 6.55           | 120.59                      | 0.68              | 41.67           |
| 0.799                                                          | 15.49      | 50.68               | 0.49           | 6.7            | 119.63                      | 0.68              | 41.67           |
| 0.821                                                          | 15.49      | 50.68               | 0.49           | 6.88           | 109.6                       | 0.68              | 41.67           |
| 0.838                                                          | 15.49      | 50.68               | 0.49           | 7.02           | 110.32                      | 0.68              | 41.67           |
| 0.84                                                           | 15.49      | 50.68               | 0.49           | 7.11           | 106.56                      | 0.67              | 41.67           |
| 0.842                                                          | 15.49      | 50.68               | 0.49           | 7.13           | 113.61                      | 0.67              | 41.67           |
| 0.852                                                          | 15.49      | 50.68               | 0.49           | 7.07           | 100.17                      | 0.67              | 41.67           |
| 0.889                                                          | 15.49      | 50.68               | 0.49           | 6.96           | 105.02                      | 0.67              | 41.67           |
| 0.914                                                          | 15.49      | 50.68               | 0.49           | 6.83           | 104.31                      | 0.67              | 41.67           |
| 0.916                                                          | 15.49      | 50.68               | 0.49           | 6.72           | 113.66                      | 0.67              | 41.67           |
| 0.918                                                          | 15.49      | 50.68               | 0.49           | 6.67           | 110.17                      | 0.67              | 41.67           |
| 0.946                                                          | 15.49      | 50.68               | 0.49           | 6.66           | 98.08                       | 0.67              | 41.67           |
| 1.0                                                            | 15.49      | 50.68               | 0.49           | 6.68           | 97.23                       | 0.67              | 41.67           |
| 1.035                                                          | 15.49      | 50.68               | 0.46           | 6.68           | 93.65                       | 0.65              | 41.67           |
| 1.045                                                          | 15.49      | 50.68               | 0.46           | 6.67           | 86.52                       | 0.65              | 41.67           |
| 1.051                                                          | 15.49      | 50.68               | 0.46           | 6.64           | 95.28                       | 0.65              | 41.67           |
| 1.074                                                          | 15.49      | 50.68               | 0.46           | 6.59           | 92.44                       | 0.65              | 41.67           |
| 1.113                                                          | 15.49      | 50.68               | 0.49           | 6.53           | 91.6                        | 0.64              | 41.67           |
| 1.145                                                          | 15.49      | 50.68               | 0.49           | 6.46           | 81.24                       | 0.64              | 41.67           |
| 1.163                                                          | 15.49      | 50.68               | 0.49           | 6.38           | 78.49                       | 0.64              | 41.67           |
| 1.178                                                          | 15.49      | 50.68               | 0.49           | 6.29           | 85.78                       | 0.64              | 41.67           |
| 1.183                                                          | 15.49      | 50.68               | 0.49           | 6.22           | 85.45                       | 0.64              | 41.67           |
| 1.185                                                          | 15.49      | 50.68               | 0.49           | 6.16           | 84.8                        | 0.63              | 41.67           |
| 1.204                                                          | 15.49      | 50.68               | 0.49           | 6.1            | 83.05                       | 0.63              | 41.67           |
| 1.247                                                          | 15.49      | 50.68               | 0.49           | 6.06           | 79.77                       | 0.63              | 41.67           |
| 1.287                                                          | 15.49      | 50.68               | 0.49           | 6.07           | 83.41                       | 0.65              | 41.67           |
| 1.291                                                          | 15.49      | 50.68               | 0.49           | 6.13           | 79.66                       | 0.65              | 41.67           |
| 1.327                                                          | 15.49      | 50.68               | 0.49           | 6.22           | 83.66                       | 0.65              | 41.67           |
| 1.401                                                          | 15.49      | 50.68               | 0.49           | 6.33           | 77.42                       | 0.65              | 41.67           |
| 1.475                                                          | 15.49      | 50.68               | 0.54           | 6.45           | 78.65                       | 0.63              | 41.67           |
| 1.505                                                          | 15.48      | 50.67               | 0.49           | 6.82           | 80.92                       | 0.67              | 41.67           |
| 1.521                                                          | 15.48      | 50.67               | 0.49           | 6.86           | 82.0                        | 0.67              | 41.67           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.532 | 15.48 | 50.66 | 0.49 | 7.11 | 75.48  | 0.7  | 41.66 |
| 1.536 | 15.47 | 50.66 | 0.49 | 7.15 | 76.52  | 0.7  | 41.66 |
| 1.547 | 15.47 | 50.66 | 0.49 | 7.19 | 77.24  | 0.7  | 41.66 |
| 1.551 | 15.47 | 50.65 | 0.49 | 7.12 | 81.45  | 0.71 | 41.67 |
| 1.554 | 15.47 | 50.65 | 0.49 | 7.09 | 78.18  | 0.71 | 41.67 |
| 1.559 | 15.46 | 50.65 | 0.49 | 7.09 | 74.12  | 0.71 | 41.67 |
| 1.576 | 15.46 | 50.65 | 0.51 | 7.1  | 70.82  | 0.73 | 41.67 |
| 1.58  | 15.45 | 50.62 | 0.49 | 7.22 | 75.1   | 0.79 | 41.65 |
| 1.593 | 15.45 | 50.62 | 0.49 | 7.22 | 75.34  | 0.79 | 41.66 |
| 1.61  | 15.44 | 50.62 | 0.49 | 7.21 | 74.04  | 0.79 | 41.66 |
| 1.617 | 15.44 | 50.62 | 0.49 | 7.18 | 77.86  | 0.79 | 41.66 |
| 1.629 | 15.44 | 50.62 | 0.49 | 7.17 | 78.48  | 0.79 | 41.67 |
| 1.659 | 15.44 | 50.62 | 0.46 | 7.16 | 76.17  | 0.79 | 41.67 |
| 1.689 | 15.44 | 50.62 | 0.46 | 7.17 | 75.72  | 0.79 | 41.67 |
| 1.713 | 15.44 | 50.63 | 0.46 | 7.19 | 73.53  | 0.79 | 41.67 |
| 1.72  | 15.43 | 50.62 | 0.49 | 7.21 | 82.7   | 0.8  | 41.66 |
| 1.721 | 15.43 | 50.61 | 0.49 | 7.21 | 85.58  | 0.8  | 41.66 |
| 1.737 | 15.43 | 50.61 | 0.49 | 7.17 | 87.29  | 0.8  | 41.67 |
| 1.75  | 15.43 | 50.61 | 0.46 | 7.2  | 88.42  | 0.77 | 41.67 |
| 1.754 | 15.44 | 50.63 | 0.46 | 7.28 | 86.56  | 0.79 | 41.67 |
| 1.793 | 15.44 | 50.62 | 0.46 | 7.24 | 84.97  | 0.79 | 41.66 |
| 1.847 | 15.43 | 50.61 | 0.49 | 7.2  | 88.61  | 0.83 | 41.66 |
| 1.855 | 15.43 | 50.61 | 0.49 | 7.22 | 89.0   | 0.83 | 41.67 |
| 1.887 | 15.42 | 50.6  | 0.51 | 7.37 | 97.38  | 0.82 | 41.66 |
| 1.918 | 15.42 | 50.6  | 0.49 | 7.33 | 95.55  | 0.82 | 41.67 |
| 1.945 | 15.42 | 50.6  | 0.49 | 7.31 | 97.82  | 0.8  | 41.66 |
| 1.959 | 15.42 | 50.61 | 0.49 | 7.34 | 107.47 | 0.8  | 41.67 |
| 1.969 | 15.43 | 50.61 | 0.49 | 7.4  | 93.74  | 0.8  | 41.66 |
| 1.972 | 15.43 | 50.61 | 0.46 | 7.4  | 95.01  | 0.79 | 41.66 |
| 1.99  | 15.43 | 50.61 | 0.46 | 7.38 | 93.65  | 0.79 | 41.67 |
| 2.027 | 15.43 | 50.62 | 0.46 | 7.37 | 96.28  | 0.79 | 41.67 |
| 2.062 | 15.43 | 50.63 | 0.46 | 7.36 | 95.36  | 0.79 | 41.67 |
| 2.063 | 15.44 | 50.62 | 0.49 | 7.36 | 104.31 | 0.76 | 41.66 |
| 2.07  | 15.44 | 50.62 | 0.49 | 7.38 | 120.57 | 0.76 | 41.66 |
| 2.083 | 15.44 | 50.63 | 0.49 | 7.41 | 95.26  | 0.77 | 41.67 |
| 2.087 | 15.44 | 50.63 | 0.49 | 7.39 | 96.32  | 0.77 | 41.67 |
| 2.096 | 15.44 | 50.63 | 0.49 | 7.38 | 100.04 | 0.77 | 41.67 |
| 2.106 | 15.44 | 50.63 | 0.49 | 7.38 | 111.53 | 0.77 | 41.67 |
| 2.117 | 15.44 | 50.63 | 0.49 | 7.39 | 105.71 | 0.77 | 41.66 |
| 2.13  | 15.44 | 50.63 | 0.49 | 7.4  | 97.91  | 0.77 | 41.66 |
| 2.151 | 15.44 | 50.63 | 0.49 | 7.41 | 98.1   | 0.77 | 41.66 |
| 2.178 | 15.44 | 50.62 | 0.49 | 7.43 | 102.76 | 0.77 | 41.66 |
| 2.194 | 15.43 | 50.6  | 0.49 | 7.43 | 112.33 | 0.76 | 41.66 |
| 2.196 | 15.43 | 50.6  | 0.49 | 7.42 | 117.59 | 0.76 | 41.66 |
| 2.234 | 15.43 | 50.6  | 0.46 | 7.41 | 113.19 | 0.77 | 41.66 |
| 2.283 | 15.42 | 50.6  | 0.49 | 7.42 | 122.05 | 0.77 | 41.66 |
| 2.296 | 15.42 | 50.6  | 0.49 | 7.42 | 133.59 | 0.77 | 41.66 |
| 2.322 | 15.42 | 50.59 | 0.49 | 7.43 | 126.16 | 0.77 | 41.66 |
| 2.347 | 15.42 | 50.59 | 0.49 | 7.45 | 114.33 | 0.77 | 41.66 |
| 2.368 | 15.41 | 50.58 | 0.49 | 7.46 | 110.27 | 0.8  | 41.65 |
| 2.377 | 15.4  | 50.58 | 0.49 | 7.49 | 135.32 | 0.8  | 41.66 |
| 2.397 | 15.4  | 50.57 | 0.49 | 7.5  | 132.38 | 0.8  | 41.66 |
| 2.442 | 15.4  | 50.57 | 0.49 | 7.5  | 127.34 | 0.79 | 41.66 |
| 2.483 | 15.4  | 50.57 | 0.49 | 7.5  | 128.26 | 0.79 | 41.66 |
| 2.491 | 15.39 | 50.57 | 0.49 | 7.51 | 149.67 | 0.79 | 41.66 |
| 2.506 | 15.39 | 50.57 | 0.49 | 7.51 | 147.7  | 0.8  | 41.67 |
| 2.527 | 15.4  | 50.58 | 0.49 | 7.53 | 136.0  | 0.8  | 41.67 |
| 2.573 | 15.4  | 50.57 | 0.49 | 7.54 | 131.34 | 0.8  | 41.66 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.58  | 15.39 | 50.57 | 0.49 | 7.63 | 148.22 | 0.8  | 41.66 |
| 2.589 | 15.39 | 50.57 | 0.46 | 7.61 | 168.9  | 0.8  | 41.67 |
| 2.629 | 15.39 | 50.57 | 0.46 | 7.59 | 143.05 | 0.8  | 41.66 |
| 2.693 | 15.39 | 50.56 | 0.46 | 7.59 | 131.94 | 0.8  | 41.66 |
| 2.732 | 15.39 | 50.56 | 0.49 | 7.64 | 174.32 | 0.81 | 41.66 |
| 2.739 | 15.39 | 50.56 | 0.49 | 7.65 | 183.12 | 0.81 | 41.67 |
| 2.776 | 15.39 | 50.56 | 0.49 | 7.65 | 186.21 | 0.81 | 41.66 |
| 2.832 | 15.39 | 50.56 | 0.46 | 7.64 | 165.3  | 0.83 | 41.66 |
| 2.897 | 15.39 | 50.56 | 0.46 | 7.63 | 149.51 | 0.83 | 41.66 |
| 2.96  | 15.39 | 50.56 | 0.46 | 7.63 | 143.33 | 0.83 | 41.66 |
| 3.001 | 15.39 | 50.56 | 0.46 | 7.63 | 142.98 | 0.83 | 41.66 |
| 3.007 | 15.38 | 50.56 | 0.51 | 7.61 | 201.4  | 0.83 | 41.66 |
| 3.02  | 15.38 | 50.56 | 0.51 | 7.6  | 205.03 | 0.83 | 41.66 |
| 3.07  | 15.38 | 50.56 | 0.51 | 7.58 | 214.76 | 0.83 | 41.66 |
| 3.088 | 15.38 | 50.56 | 0.49 | 7.54 | 167.77 | 0.9  | 41.66 |
| 3.096 | 15.38 | 50.56 | 0.49 | 7.54 | 198.22 | 0.9  | 41.66 |
| 3.107 | 15.38 | 50.56 | 0.49 | 7.54 | 177.85 | 0.9  | 41.66 |
| 3.116 | 15.38 | 50.56 | 0.49 | 7.54 | 188.87 | 0.9  | 41.66 |
| 3.124 | 15.38 | 50.56 | 0.49 | 7.55 | 181.33 | 0.9  | 41.66 |
| 3.133 | 15.38 | 50.56 | 0.49 | 7.56 | 160.58 | 0.9  | 41.66 |
| 3.144 | 15.38 | 50.56 | 0.49 | 7.57 | 166.6  | 0.9  | 41.66 |
| 3.153 | 15.38 | 50.56 | 0.49 | 7.58 | 198.83 | 0.9  | 41.66 |
| 3.166 | 15.38 | 50.56 | 0.49 | 7.59 | 160.3  | 0.88 | 41.66 |
| 3.179 | 15.38 | 50.56 | 0.49 | 7.6  | 187.15 | 0.88 | 41.66 |
| 3.186 | 15.38 | 50.56 | 0.49 | 7.61 | 170.42 | 0.88 | 41.66 |
| 3.196 | 15.38 | 50.56 | 0.49 | 7.61 | 177.19 | 0.88 | 41.66 |
| 3.212 | 15.38 | 50.56 | 0.49 | 7.61 | 200.96 | 0.87 | 41.66 |
| 3.217 | 15.38 | 50.56 | 0.49 | 7.62 | 157.84 | 0.87 | 41.66 |
| 3.219 | 15.38 | 50.56 | 0.49 | 7.62 | 154.01 | 0.87 | 41.66 |
| 3.237 | 15.38 | 50.56 | 0.51 | 7.62 | 223.25 | 0.88 | 41.66 |
| 3.277 | 15.38 | 50.56 | 0.51 | 7.61 | 176.92 | 0.88 | 41.66 |
| 3.325 | 15.38 | 50.56 | 0.51 | 7.62 | 178.59 | 0.88 | 41.66 |
| 3.359 | 15.39 | 50.56 | 0.51 | 7.62 | 165.63 | 0.88 | 41.67 |
| 3.383 | 15.39 | 50.56 | 0.51 | 7.62 | 190.93 | 0.88 | 41.67 |
| 3.435 | 15.39 | 50.56 | 0.51 | 7.63 | 160.9  | 0.9  | 41.66 |
| 3.461 | 15.39 | 50.56 | 0.51 | 7.65 | 164.3  | 0.94 | 41.66 |
| 3.47  | 15.39 | 50.56 | 0.51 | 7.65 | 151.21 | 0.94 | 41.66 |
| 3.509 | 15.39 | 50.56 | 0.51 | 7.66 | 154.98 | 0.94 | 41.66 |
| 3.579 | 15.39 | 50.56 | 0.51 | 7.67 | 165.77 | 0.94 | 41.66 |
| 3.663 | 15.38 | 50.56 | 0.54 | 7.68 | 159.85 | 0.93 | 41.66 |
| 3.752 | 15.38 | 50.56 | 0.54 | 7.68 | 146.04 | 0.93 | 41.66 |
| 3.8   | 15.38 | 50.56 | 0.49 | 7.7  | 149.19 | 0.98 | 41.66 |
| 3.843 | 15.38 | 50.56 | 0.49 | 7.69 | 147.64 | 0.98 | 41.66 |
| 3.92  | 15.38 | 50.56 | 0.49 | 7.68 | 142.89 | 0.98 | 41.66 |
| 3.991 | 15.38 | 50.56 | 0.49 | 7.68 | 130.43 | 0.98 | 41.66 |
| 4.025 | 15.38 | 50.56 | 0.49 | 7.69 | 123.41 | 1.02 | 41.66 |
| 4.031 | 15.38 | 50.56 | 0.49 | 7.7  | 128.26 | 1.02 | 41.66 |
| 4.038 | 15.38 | 50.56 | 0.49 | 7.69 | 142.27 | 1.02 | 41.66 |
| 4.07  | 15.38 | 50.56 | 0.49 | 7.69 | 144.14 | 1.02 | 41.66 |
| 4.144 | 15.38 | 50.56 | 0.51 | 7.69 | 133.5  | 1.06 | 41.66 |
| 4.236 | 15.38 | 50.56 | 0.51 | 7.69 | 128.85 | 1.06 | 41.66 |
| 4.313 | 15.38 | 50.56 | 0.51 | 7.68 | 132.66 | 1.06 | 41.66 |
| 4.314 | 15.38 | 50.56 | 0.49 | 7.67 | 123.3  | 1.14 | 41.66 |
| 4.342 | 15.38 | 50.56 | 0.49 | 7.67 | 128.74 | 1.14 | 41.66 |
| 4.418 | 15.38 | 50.56 | 0.49 | 7.67 | 135.17 | 1.14 | 41.66 |
| 4.508 | 15.38 | 50.56 | 0.49 | 7.7  | 132.12 | 1.14 | 41.66 |
| 4.601 | 15.38 | 50.56 | 0.51 | 7.72 | 124.74 | 1.15 | 41.66 |
| 4.636 | 15.38 | 50.56 | 0.51 | 7.79 | 119.31 | 1.15 | 41.66 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.652 | 15.38 | 50.56 | 0.51 | 7.82 | 114.28 | 1.15 | 41.66 |
| 4.72  | 15.38 | 50.56 | 0.51 | 7.83 | 111.45 | 1.19 | 41.66 |
| 4.835 | 15.38 | 50.56 | 0.51 | 7.83 | 110.7  | 1.19 | 41.67 |
| 4.96  | 15.38 | 50.56 | 0.51 | 7.82 | 111.11 | 1.19 | 41.66 |
| 5.059 | 15.38 | 50.56 | 0.51 | 7.81 | 111.31 | 1.19 | 41.67 |
| 5.1   | 15.38 | 50.56 | 0.56 | 7.8  | 109.36 | 1.25 | 41.66 |
| 5.122 | 15.38 | 50.56 | 0.56 | 7.79 | 104.63 | 1.25 | 41.66 |
| 5.185 | 15.38 | 50.56 | 0.56 | 7.78 | 102.42 | 1.25 | 41.66 |
| 5.282 | 15.38 | 50.56 | 0.56 | 7.76 | 99.82  | 1.25 | 41.66 |
| 5.384 | 15.38 | 50.56 | 0.54 | 7.76 | 100.35 | 1.31 | 41.66 |
| 5.468 | 15.38 | 50.56 | 0.54 | 7.77 | 101.56 | 1.31 | 41.66 |
| 5.529 | 15.38 | 50.56 | 0.54 | 7.78 | 98.92  | 1.31 | 41.66 |
| 5.585 | 15.38 | 50.56 | 0.54 | 7.79 | 94.37  | 1.31 | 41.66 |
| 5.636 | 15.38 | 50.56 | 0.54 | 7.81 | 91.78  | 1.31 | 41.66 |
| 5.689 | 15.38 | 50.56 | 0.54 | 7.81 | 92.26  | 1.33 | 41.67 |
| 5.772 | 15.38 | 50.56 | 0.54 | 7.82 | 91.94  | 1.33 | 41.67 |
| 5.859 | 15.38 | 50.56 | 0.54 | 7.82 | 91.04  | 1.33 | 41.67 |
| 5.915 | 15.38 | 50.56 | 0.54 | 7.82 | 90.25  | 1.33 | 41.66 |
| 5.964 | 15.38 | 50.56 | 0.56 | 7.81 | 88.71  | 1.38 | 41.66 |
| 6.004 | 15.38 | 50.56 | 0.56 | 7.8  | 88.15  | 1.38 | 41.67 |
| 6.046 | 15.39 | 50.57 | 0.56 | 7.8  | 87.85  | 1.38 | 41.67 |
| 6.072 | 15.39 | 50.57 | 0.56 | 7.8  | 89.64  | 1.38 | 41.67 |
| 6.082 | 15.39 | 50.57 | 0.59 | 7.79 | 89.31  | 1.46 | 41.67 |
| 6.083 | 15.39 | 50.57 | 0.59 | 7.8  | 89.56  | 1.46 | 41.67 |
| 6.085 | 15.39 | 50.57 | 0.59 | 7.81 | 89.45  | 1.46 | 41.66 |
| 6.086 | 15.39 | 50.57 | 0.59 | 7.82 | 88.23  | 1.46 | 41.66 |



| 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/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 15.36      | 50.36               | 0.51           | 7.08           | 63.06                       | 0.93              | 41.49           |
| PROF (metros)                                                                | 2.551      | 2.972               | 0.74           | 1.4            | 1.633                       | 1.16              | 1.924           |
| MÁXIMO                                                                       | 15.44      | 15.44               | 0.59           | 7.54           | 238.22                      | 1.5               | 41.51           |
| PROF (metros)                                                                | 0.826      | 0.765               | 2.759          | 4.347          | 3.701                       | 3.918             | 0.74            |

| 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                                                     | 15.44      | 50.45               | 0.52           | 7.15           | 81.91                       | 0.96              | 41.51           |
| 1 - 2m                                                     | 15.42      | 50.42               | 0.53           | 7.19           | 68.15                       | 1.05              | 41.5            |
| 2 - 3m                                                     | 15.37      | 50.37               | 0.54           | 7.42           | 76.11                       | 1.38              | 41.5            |
| 3 - 4m                                                     | 15.36      | 50.37               | 0.56           | 7.5            | 146.73                      | 1.46              | 41.51           |
| 4 - 5m                                                     | 15.36      | 50.37               | 0.58           | 7.5            | 141.37                      | 1.48              | 41.51           |

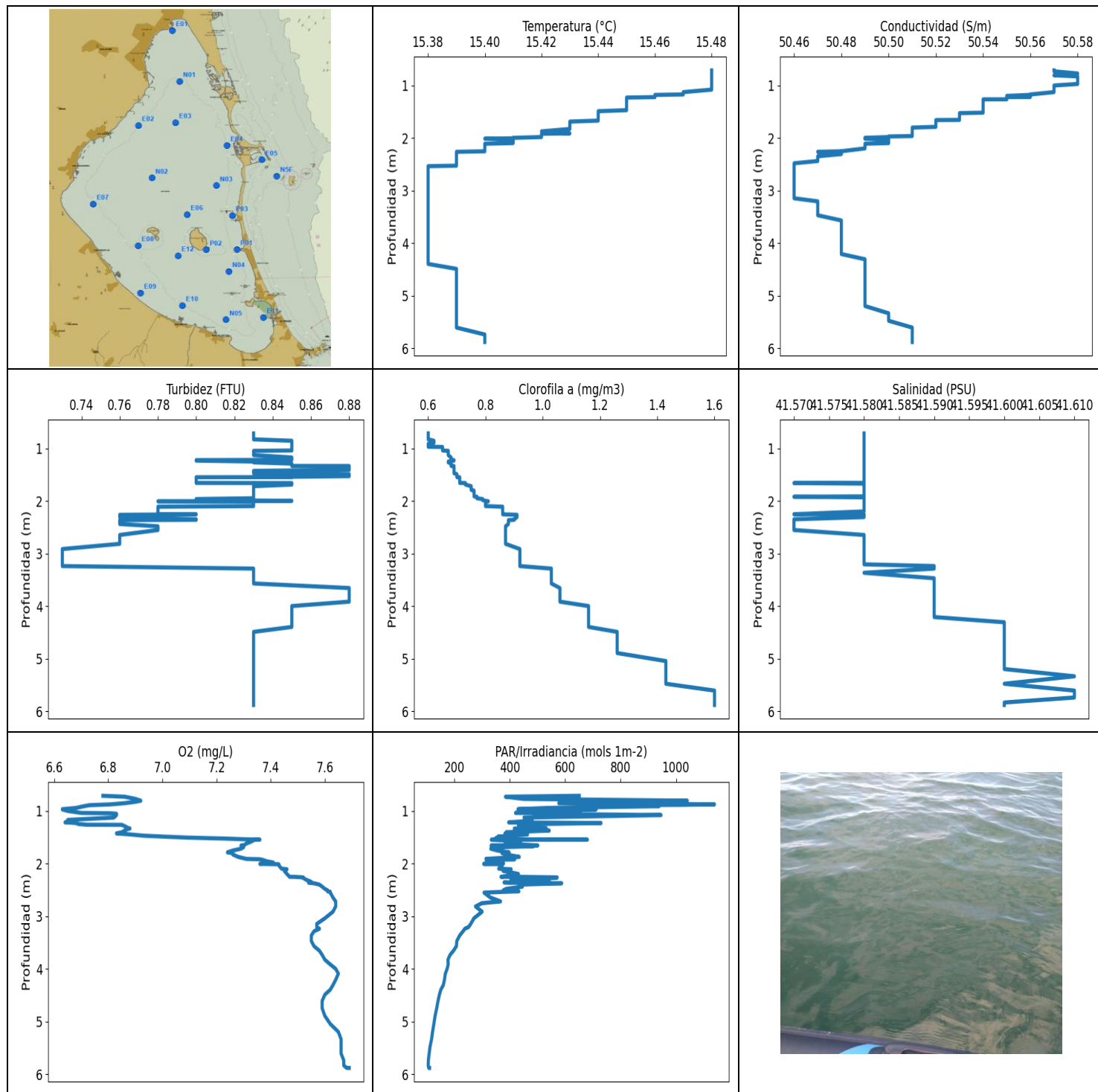
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.74                                                           | 15.43      | 50.44               | 0.51           | 7.25           | 106.61                      | 0.97              | 41.51           |
| 0.755                                                          | 15.43      | 50.44               | 0.51           | 7.2            | 99.11                       | 0.97              | 41.51           |
| 0.765                                                          | 15.43      | 50.45               | 0.51           | 7.16           | 78.0                        | 0.97              | 41.51           |
| 0.787                                                          | 15.43      | 50.45               | 0.51           | 7.13           | 88.48                       | 0.97              | 41.51           |
| 0.826                                                          | 15.44      | 50.45               | 0.51           | 7.12           | 68.42                       | 0.97              | 41.51           |
| 0.85                                                           | 15.44      | 50.45               | 0.54           | 7.12           | 79.8                        | 0.94              | 41.51           |
| 0.867                                                          | 15.44      | 50.45               | 0.54           | 7.12           | 83.26                       | 0.94              | 41.51           |
| 0.897                                                          | 15.44      | 50.45               | 0.54           | 7.12           | 72.01                       | 0.94              | 41.51           |
| 0.937                                                          | 15.44      | 50.45               | 0.54           | 7.12           | 64.76                       | 0.94              | 41.51           |
| 0.995                                                          | 15.44      | 50.45               | 0.51           | 7.11           | 78.61                       | 0.96              | 41.51           |
| 1.043                                                          | 15.44      | 50.45               | 0.51           | 7.1            | 79.7                        | 0.96              | 41.51           |
| 1.087                                                          | 15.44      | 50.45               | 0.51           | 7.1            | 75.54                       | 0.96              | 41.51           |
| 1.127                                                          | 15.44      | 50.45               | 0.51           | 7.1            | 74.58                       | 0.96              | 41.5            |
| 1.16                                                           | 15.44      | 50.45               | 0.54           | 7.11           | 74.98                       | 0.93              | 41.5            |
| 1.187                                                          | 15.43      | 50.44               | 0.54           | 7.1            | 72.73                       | 0.93              | 41.5            |
| 1.208                                                          | 15.43      | 50.44               | 0.54           | 7.1            | 78.27                       | 0.93              | 41.51           |
| 1.218                                                          | 15.43      | 50.45               | 0.54           | 7.1            | 71.34                       | 0.93              | 41.51           |
| 1.224                                                          | 15.43      | 50.44               | 0.54           | 7.1            | 69.03                       | 0.93              | 41.51           |
| 1.231                                                          | 15.43      | 50.43               | 0.54           | 7.1            | 73.26                       | 0.99              | 41.5            |
| 1.232                                                          | 15.43      | 50.43               | 0.54           | 7.09           | 74.17                       | 0.99              | 41.5            |
| 1.233                                                          | 15.42      | 50.43               | 0.54           | 7.09           | 75.82                       | 0.99              | 41.5            |
| 1.244                                                          | 15.42      | 50.43               | 0.54           | 7.09           | 70.75                       | 0.99              | 41.5            |
| 1.263                                                          | 15.42      | 50.43               | 0.51           | 7.09           | 64.97                       | 1.02              | 41.5            |
| 1.285                                                          | 15.42      | 50.42               | 0.51           | 7.1            | 70.52                       | 1.02              | 41.5            |
| 1.3                                                            | 15.42      | 50.42               | 0.51           | 7.11           | 76.52                       | 1.02              | 41.5            |
| 1.308                                                          | 15.41      | 50.41               | 0.51           | 7.12           | 69.28                       | 1.02              | 41.5            |
| 1.321                                                          | 15.41      | 50.41               | 0.51           | 7.12           | 65.28                       | 1.02              | 41.5            |
| 1.341                                                          | 15.41      | 50.41               | 0.54           | 7.11           | 71.9                        | 1.06              | 41.5            |
| 1.364                                                          | 15.4       | 50.41               | 0.54           | 7.1            | 71.49                       | 1.06              | 41.5            |
| 1.383                                                          | 15.4       | 50.41               | 0.54           | 7.09           | 67.82                       | 1.06              | 41.5            |
| 1.4                                                            | 15.4       | 50.41               | 0.54           | 7.08           | 65.2                        | 1.06              | 41.51           |
| 1.421                                                          | 15.4       | 50.41               | 0.54           | 7.1            | 63.24                       | 1.08              | 41.51           |
| 1.445                                                          | 15.4       | 50.41               | 0.54           | 7.11           | 68.13                       | 1.08              | 41.51           |
| 1.466                                                          | 15.4       | 50.41               | 0.54           | 7.13           | 71.12                       | 1.08              | 41.51           |
| 1.488                                                          | 15.4       | 50.41               | 0.54           | 7.13           | 67.1                        | 1.08              | 41.51           |
| 1.513                                                          | 15.4       | 50.41               | 0.54           | 7.13           | 64.56                       | 1.03              | 41.51           |
| 1.52                                                           | 15.4       | 50.41               | 0.54           | 7.12           | 64.58                       | 1.03              | 41.51           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.539 | 15.4  | 50.41 | 0.54 | 7.12 | 68.61 | 1.03 | 41.51 |
| 1.581 | 15.4  | 50.42 | 0.54 | 7.12 | 66.85 | 1.03 | 41.51 |
| 1.616 | 15.41 | 50.42 | 0.56 | 7.14 | 64.4  | 1.1  | 41.51 |
| 1.631 | 15.41 | 50.42 | 0.56 | 7.19 | 65.7  | 1.1  | 41.51 |
| 1.633 | 15.41 | 50.42 | 0.56 | 7.21 | 63.06 | 1.1  | 41.51 |
| 1.649 | 15.41 | 50.42 | 0.54 | 7.23 | 68.03 | 1.08 | 41.51 |
| 1.672 | 15.41 | 50.42 | 0.54 | 7.24 | 65.06 | 1.08 | 41.51 |
| 1.687 | 15.41 | 50.43 | 0.54 | 7.25 | 63.1  | 1.08 | 41.51 |
| 1.702 | 15.42 | 50.43 | 0.54 | 7.27 | 63.31 | 1.08 | 41.51 |
| 1.724 | 15.42 | 50.43 | 0.54 | 7.29 | 65.04 | 1.1  | 41.51 |
| 1.753 | 15.42 | 50.43 | 0.54 | 7.31 | 63.98 | 1.1  | 41.51 |
| 1.788 | 15.42 | 50.43 | 0.54 | 7.33 | 64.31 | 1.1  | 41.51 |
| 1.818 | 15.42 | 50.43 | 0.54 | 7.36 | 66.32 | 1.1  | 41.51 |
| 1.836 | 15.42 | 50.43 | 0.54 | 7.37 | 64.65 | 1.1  | 41.51 |
| 1.846 | 15.42 | 50.43 | 0.54 | 7.38 | 63.88 | 1.11 | 41.51 |
| 1.85  | 15.42 | 50.43 | 0.54 | 7.37 | 65.03 | 1.11 | 41.51 |
| 1.853 | 15.42 | 50.43 | 0.54 | 7.36 | 63.75 | 1.11 | 41.51 |
| 1.878 | 15.42 | 50.43 | 0.54 | 7.35 | 64.85 | 1.11 | 41.51 |
| 1.907 | 15.42 | 50.42 | 0.54 | 7.34 | 63.13 | 1.11 | 41.5  |
| 1.924 | 15.42 | 50.41 | 0.54 | 7.35 | 64.41 | 1.11 | 41.49 |
| 1.937 | 15.41 | 50.41 | 0.54 | 7.35 | 66.5  | 1.11 | 41.5  |
| 1.951 | 15.41 | 50.41 | 0.54 | 7.36 | 67.2  | 1.11 | 41.5  |
| 1.973 | 15.4  | 50.4  | 0.54 | 7.36 | 64.52 | 1.19 | 41.5  |
| 2.006 | 15.4  | 50.4  | 0.54 | 7.36 | 65.6  | 1.19 | 41.5  |
| 2.034 | 15.4  | 50.4  | 0.54 | 7.36 | 65.37 | 1.19 | 41.5  |
| 2.037 | 15.4  | 50.4  | 0.54 | 7.34 | 67.45 | 1.29 | 41.5  |
| 2.049 | 15.4  | 50.4  | 0.54 | 7.34 | 67.47 | 1.29 | 41.5  |
| 2.064 | 15.39 | 50.39 | 0.54 | 7.34 | 65.93 | 1.29 | 41.5  |
| 2.07  | 15.39 | 50.39 | 0.51 | 7.35 | 65.3  | 1.29 | 41.5  |
| 2.075 | 15.39 | 50.38 | 0.51 | 7.35 | 67.22 | 1.29 | 41.5  |
| 2.081 | 15.38 | 50.38 | 0.51 | 7.36 | 67.76 | 1.29 | 41.5  |
| 2.085 | 15.38 | 50.38 | 0.51 | 7.37 | 67.58 | 1.29 | 41.5  |
| 2.109 | 15.38 | 50.38 | 0.51 | 7.38 | 68.04 | 1.29 | 41.5  |
| 2.156 | 15.38 | 50.38 | 0.54 | 7.4  | 67.14 | 1.37 | 41.5  |
| 2.197 | 15.37 | 50.37 | 0.54 | 7.4  | 68.85 | 1.37 | 41.5  |
| 2.237 | 15.37 | 50.37 | 0.54 | 7.42 | 70.04 | 1.37 | 41.5  |
| 2.279 | 15.37 | 50.37 | 0.54 | 7.42 | 71.13 | 1.37 | 41.5  |
| 2.3   | 15.37 | 50.37 | 0.56 | 7.42 | 70.06 | 1.39 | 41.5  |
| 2.304 | 15.37 | 50.37 | 0.56 | 7.43 | 69.39 | 1.39 | 41.51 |
| 2.317 | 15.37 | 50.37 | 0.56 | 7.43 | 70.75 | 1.39 | 41.51 |
| 2.337 | 15.37 | 50.37 | 0.56 | 7.42 | 71.21 | 1.39 | 41.51 |
| 2.347 | 15.37 | 50.37 | 0.54 | 7.42 | 71.43 | 1.4  | 41.51 |
| 2.352 | 15.37 | 50.37 | 0.54 | 7.42 | 71.55 | 1.4  | 41.51 |
| 2.36  | 15.37 | 50.37 | 0.54 | 7.43 | 70.7  | 1.4  | 41.51 |
| 2.365 | 15.37 | 50.37 | 0.54 | 7.43 | 70.72 | 1.4  | 41.51 |
| 2.377 | 15.37 | 50.37 | 0.54 | 7.43 | 71.48 | 1.4  | 41.51 |
| 2.389 | 15.37 | 50.37 | 0.51 | 7.44 | 71.84 | 1.39 | 41.51 |
| 2.398 | 15.37 | 50.37 | 0.51 | 7.44 | 72.29 | 1.39 | 41.51 |
| 2.41  | 15.37 | 50.37 | 0.51 | 7.43 | 73.06 | 1.39 | 41.51 |
| 2.437 | 15.37 | 50.37 | 0.51 | 7.42 | 72.59 | 1.39 | 41.51 |
| 2.465 | 15.37 | 50.37 | 0.54 | 7.42 | 74.35 | 1.38 | 41.5  |
| 2.492 | 15.37 | 50.37 | 0.54 | 7.42 | 74.53 | 1.38 | 41.51 |
| 2.521 | 15.36 | 50.37 | 0.54 | 7.42 | 73.06 | 1.38 | 41.51 |
| 2.551 | 15.36 | 50.37 | 0.54 | 7.43 | 73.88 | 1.38 | 41.51 |
| 2.583 | 15.37 | 50.37 | 0.54 | 7.43 | 77.95 | 1.38 | 41.51 |
| 2.615 | 15.37 | 50.37 | 0.56 | 7.43 | 80.36 | 1.43 | 41.51 |
| 2.653 | 15.37 | 50.37 | 0.56 | 7.44 | 78.37 | 1.43 | 41.51 |
| 2.697 | 15.37 | 50.37 | 0.56 | 7.45 | 78.08 | 1.43 | 41.51 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.733 | 15.37 | 50.37 | 0.56 | 7.45 | 79.84  | 1.43 | 41.51 |
| 2.759 | 15.37 | 50.37 | 0.59 | 7.45 | 82.22  | 1.4  | 41.51 |
| 2.775 | 15.37 | 50.37 | 0.59 | 7.45 | 83.54  | 1.4  | 41.51 |
| 2.777 | 15.37 | 50.37 | 0.59 | 7.46 | 82.61  | 1.4  | 41.51 |
| 2.778 | 15.37 | 50.37 | 0.59 | 7.46 | 83.34  | 1.4  | 41.51 |
| 2.794 | 15.37 | 50.37 | 0.54 | 7.46 | 84.19  | 1.43 | 41.51 |
| 2.827 | 15.37 | 50.37 | 0.54 | 7.45 | 86.71  | 1.43 | 41.51 |
| 2.861 | 15.37 | 50.37 | 0.54 | 7.44 | 89.27  | 1.43 | 41.51 |
| 2.89  | 15.37 | 50.37 | 0.54 | 7.44 | 89.56  | 1.43 | 41.5  |
| 2.91  | 15.37 | 50.37 | 0.54 | 7.43 | 88.69  | 1.43 | 41.5  |
| 2.925 | 15.37 | 50.37 | 0.56 | 7.42 | 91.76  | 1.43 | 41.51 |
| 2.945 | 15.36 | 50.37 | 0.56 | 7.42 | 92.9   | 1.43 | 41.51 |
| 2.972 | 15.36 | 50.36 | 0.56 | 7.43 | 93.19  | 1.43 | 41.51 |
| 2.984 | 15.36 | 50.36 | 0.56 | 7.45 | 97.5   | 1.42 | 41.51 |
| 2.99  | 15.36 | 50.36 | 0.56 | 7.44 | 97.4   | 1.42 | 41.51 |
| 3.017 | 15.36 | 50.37 | 0.56 | 7.45 | 99.72  | 1.42 | 41.51 |
| 3.055 | 15.36 | 50.37 | 0.56 | 7.46 | 100.26 | 1.42 | 41.51 |
| 3.094 | 15.36 | 50.37 | 0.56 | 7.47 | 101.56 | 1.43 | 41.51 |
| 3.121 | 15.36 | 50.37 | 0.56 | 7.49 | 106.4  | 1.43 | 41.51 |
| 3.137 | 15.36 | 50.36 | 0.56 | 7.5  | 106.42 | 1.43 | 41.51 |
| 3.154 | 15.36 | 50.37 | 0.56 | 7.5  | 108.3  | 1.43 | 41.51 |
| 3.196 | 15.36 | 50.37 | 0.56 | 7.5  | 112.87 | 1.43 | 41.51 |
| 3.245 | 15.36 | 50.37 | 0.54 | 7.49 | 119.84 | 1.46 | 41.51 |
| 3.287 | 15.36 | 50.37 | 0.54 | 7.48 | 116.44 | 1.46 | 41.51 |
| 3.315 | 15.36 | 50.37 | 0.54 | 7.48 | 121.07 | 1.46 | 41.51 |
| 3.322 | 15.36 | 50.36 | 0.54 | 7.48 | 120.12 | 1.46 | 41.51 |
| 3.324 | 15.36 | 50.36 | 0.56 | 7.49 | 123.79 | 1.45 | 41.5  |
| 3.34  | 15.36 | 50.36 | 0.56 | 7.5  | 125.39 | 1.45 | 41.51 |
| 3.365 | 15.36 | 50.37 | 0.56 | 7.52 | 139.48 | 1.45 | 41.51 |
| 3.387 | 15.36 | 50.37 | 0.56 | 7.52 | 131.48 | 1.45 | 41.51 |
| 3.412 | 15.36 | 50.36 | 0.56 | 7.52 | 141.47 | 1.44 | 41.51 |
| 3.449 | 15.36 | 50.37 | 0.56 | 7.51 | 162.98 | 1.44 | 41.51 |
| 3.486 | 15.36 | 50.37 | 0.56 | 7.5  | 157.09 | 1.44 | 41.51 |
| 3.523 | 15.36 | 50.37 | 0.56 | 7.5  | 155.42 | 1.44 | 41.51 |
| 3.559 | 15.36 | 50.37 | 0.56 | 7.49 | 176.5  | 1.44 | 41.51 |
| 3.59  | 15.36 | 50.37 | 0.59 | 7.49 | 202.98 | 1.48 | 41.51 |
| 3.63  | 15.36 | 50.37 | 0.59 | 7.5  | 175.43 | 1.48 | 41.51 |
| 3.671 | 15.36 | 50.37 | 0.59 | 7.51 | 174.13 | 1.48 | 41.51 |
| 3.701 | 15.36 | 50.37 | 0.59 | 7.52 | 238.22 | 1.48 | 41.51 |
| 3.724 | 15.36 | 50.37 | 0.56 | 7.53 | 181.92 | 1.46 | 41.51 |
| 3.749 | 15.36 | 50.37 | 0.56 | 7.53 | 152.7  | 1.46 | 41.51 |
| 3.798 | 15.36 | 50.37 | 0.56 | 7.52 | 180.74 | 1.46 | 41.51 |
| 3.855 | 15.36 | 50.36 | 0.56 | 7.51 | 211.05 | 1.46 | 41.5  |
| 3.894 | 15.36 | 50.36 | 0.56 | 7.51 | 158.98 | 1.46 | 41.51 |
| 3.918 | 15.36 | 50.37 | 0.56 | 7.51 | 152.7  | 1.5  | 41.51 |
| 3.95  | 15.36 | 50.37 | 0.56 | 7.49 | 166.96 | 1.5  | 41.51 |
| 3.999 | 15.36 | 50.37 | 0.56 | 7.48 | 172.96 | 1.5  | 41.51 |
| 4.036 | 15.36 | 50.37 | 0.56 | 7.47 | 146.9  | 1.5  | 41.51 |
| 4.043 | 15.36 | 50.37 | 0.59 | 7.48 | 147.31 | 1.46 | 41.51 |
| 4.048 | 15.36 | 50.37 | 0.59 | 7.48 | 158.53 | 1.46 | 41.51 |
| 4.069 | 15.36 | 50.37 | 0.59 | 7.49 | 147.22 | 1.46 | 41.51 |
| 4.108 | 15.36 | 50.36 | 0.59 | 7.5  | 132.0  | 1.46 | 41.51 |
| 4.207 | 15.36 | 50.37 | 0.59 | 7.5  | 131.37 | 1.49 | 41.51 |
| 4.312 | 15.36 | 50.37 | 0.59 | 7.51 | 144.68 | 1.49 | 41.51 |
| 4.344 | 15.37 | 50.37 | 0.59 | 7.53 | 132.0  | 1.49 | 41.51 |
| 4.347 | 15.37 | 50.37 | 0.59 | 7.54 | 132.32 | 1.49 | 41.51 |





### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.38         | 50.46                  | 0.73              | 6.63              | 106.49                         | 0.61                              | 41.57              |
| <b>PROF (metros)</b> | 2.532         | 2.477                  | 2.91              | 0.964             | 5.83                           | 0.71                              | 1.655              |
| <b>MÁXIMO</b>        | 15.48         | 15.48                  | 0.88              | 7.69              | 1138.4                         | 1.6                               | 41.61              |
| <b>PROF (metros)</b> | 0.71          | 0.769                  | 1.33              | 5.877             | 0.872                          | 5.603                             | 5.331              |

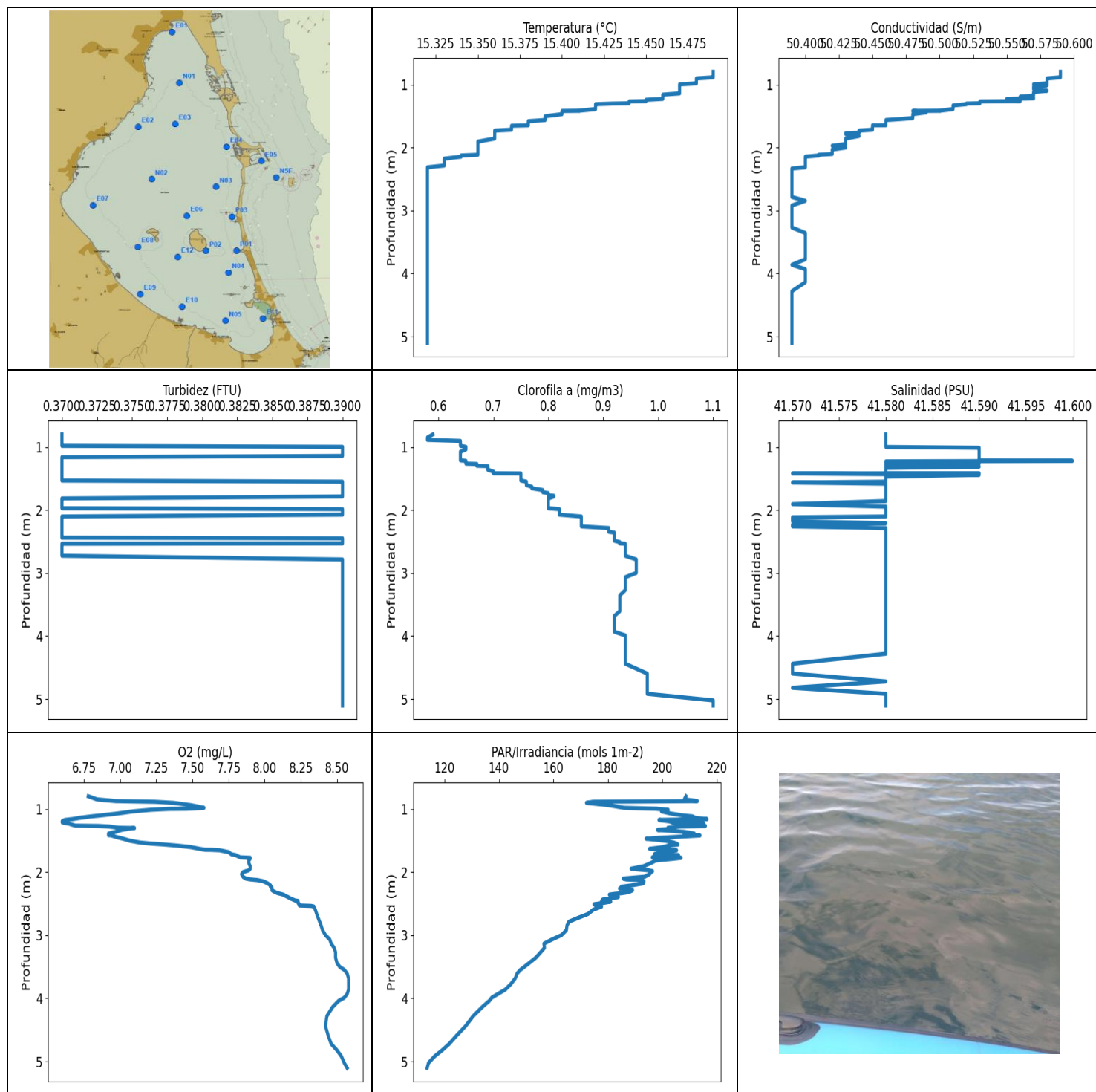
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 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                                                     | 15.48      | 50.58               | 0.85           | 6.77           | 692.2                       | 0.62              | 41.58           |
| 1 - 2m                                                     | 15.44      | 50.53               | 0.84           | 7.05           | 435.65                      | 0.71              | 41.58           |
| 2 - 3m                                                     | 15.39      | 50.47               | 0.78           | 7.54           | 401.05                      | 0.87              | 41.58           |
| 3 - 4m                                                     | 15.38      | 50.47               | 0.82           | 7.58           | 215.68                      | 1.02              | 41.59           |
| 4 - 5m                                                     | 15.39      | 50.49               | 0.84           | 7.61           | 150.3                       | 1.21              | 41.6            |
| 5 - 6m                                                     | 15.39      | 50.5                | 0.83           | 7.66           | 113.65                      | 1.52              | 41.6            |

| 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) |
| 0.71                                                           | 15.48      | 50.57               | 0.83           | 6.78           | 650.79                      | 0.6               | 41.58           |
| 0.727                                                          | 15.48      | 50.57               | 0.83           | 6.86           | 384.79                      | 0.6               | 41.58           |
| 0.769                                                          | 15.48      | 50.58               | 0.83           | 6.9            | 451.69                      | 0.6               | 41.58           |
| 0.803                                                          | 15.48      | 50.57               | 0.83           | 6.92           | 1040.3                      | 0.6               | 41.58           |
| 0.823                                                          | 15.48      | 50.58               | 0.83           | 6.9            | 588.63                      | 0.6               | 41.58           |
| 0.85                                                           | 15.48      | 50.58               | 0.85           | 6.86           | 577.2                       | 0.62              | 41.58           |
| 0.872                                                          | 15.48      | 50.58               | 0.85           | 6.81           | 1138.4                      | 0.62              | 41.58           |
| 0.882                                                          | 15.48      | 50.58               | 0.85           | 6.76           | 1010.4                      | 0.62              | 41.58           |
| 0.888                                                          | 15.48      | 50.58               | 0.85           | 6.73           | 734.71                      | 0.62              | 41.58           |
| 0.907                                                          | 15.48      | 50.58               | 0.85           | 6.71           | 938.47                      | 0.6               | 41.58           |
| 0.941                                                          | 15.48      | 50.58               | 0.85           | 6.68           | 533.56                      | 0.6               | 41.58           |
| 0.964                                                          | 15.48      | 50.58               | 0.85           | 6.63           | 430.09                      | 0.6               | 41.58           |
| 0.968                                                          | 15.48      | 50.58               | 0.85           | 6.63           | 711.57                      | 0.65              | 41.58           |
| 0.997                                                          | 15.48      | 50.57               | 0.85           | 6.65           | 500.26                      | 0.65              | 41.58           |
| 1.035                                                          | 15.48      | 50.57               | 0.85           | 6.7            | 421.28                      | 0.65              | 41.58           |
| 1.042                                                          | 15.48      | 50.57               | 0.83           | 6.81           | 654.63                      | 0.67              | 41.58           |
| 1.051                                                          | 15.48      | 50.57               | 0.83           | 6.83           | 486.4                       | 0.67              | 41.58           |
| 1.076                                                          | 15.48      | 50.57               | 0.83           | 6.83           | 945.65                      | 0.67              | 41.58           |
| 1.123                                                          | 15.47      | 50.57               | 0.83           | 6.82           | 451.88                      | 0.67              | 41.58           |
| 1.168                                                          | 15.47      | 50.56               | 0.85           | 6.65           | 455.64                      | 0.68              | 41.58           |
| 1.176                                                          | 15.46      | 50.56               | 0.85           | 6.65           | 480.71                      | 0.68              | 41.58           |
| 1.195                                                          | 15.46      | 50.55               | 0.85           | 6.65           | 448.45                      | 0.68              | 41.58           |
| 1.214                                                          | 15.46      | 50.56               | 0.85           | 6.64           | 396.36                      | 0.68              | 41.58           |
| 1.218                                                          | 15.46      | 50.55               | 0.8            | 6.66           | 501.02                      | 0.69              | 41.58           |
| 1.227                                                          | 15.45      | 50.55               | 0.8            | 6.68           | 729.29                      | 0.69              | 41.58           |
| 1.245                                                          | 15.45      | 50.55               | 0.83           | 6.69           | 506.83                      | 0.67              | 41.58           |
| 1.259                                                          | 15.45      | 50.55               | 0.83           | 6.72           | 476.85                      | 0.67              | 41.58           |
| 1.26                                                           | 15.45      | 50.55               | 0.83           | 6.81           | 445.53                      | 0.67              | 41.58           |
| 1.261                                                          | 15.45      | 50.54               | 0.83           | 6.85           | 431.21                      | 0.67              | 41.58           |
| 1.285                                                          | 15.45      | 50.54               | 0.85           | 6.86           | 434.04                      | 0.68              | 41.58           |
| 1.312                                                          | 15.45      | 50.54               | 0.85           | 6.87           | 434.51                      | 0.68              | 41.58           |
| 1.329                                                          | 15.45      | 50.54               | 0.85           | 6.87           | 532.29                      | 0.68              | 41.58           |
| 1.33                                                           | 15.45      | 50.54               | 0.88           | 6.88           | 416.99                      | 0.69              | 41.58           |
| 1.345                                                          | 15.45      | 50.54               | 0.88           | 6.87           | 416.81                      | 0.69              | 41.58           |
| 1.37                                                           | 15.45      | 50.54               | 0.88           | 6.86           | 542.59                      | 0.69              | 41.58           |
| 1.402                                                          | 15.45      | 50.54               | 0.88           | 6.85           | 387.4                       | 0.69              | 41.58           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.423 | 15.45 | 50.54 | 0.83 | 6.83 | 400.61 | 0.69 | 41.58 |
| 1.427 | 15.45 | 50.54 | 0.83 | 6.84 | 382.79 | 0.69 | 41.58 |
| 1.443 | 15.45 | 50.54 | 0.83 | 6.88 | 464.35 | 0.69 | 41.58 |
| 1.467 | 15.45 | 50.54 | 0.83 | 6.93 | 404.65 | 0.69 | 41.58 |
| 1.486 | 15.44 | 50.54 | 0.88 | 7.01 | 357.49 | 0.7  | 41.58 |
| 1.503 | 15.44 | 50.54 | 0.88 | 7.09 | 392.84 | 0.7  | 41.58 |
| 1.514 | 15.44 | 50.54 | 0.88 | 7.17 | 349.86 | 0.7  | 41.58 |
| 1.523 | 15.44 | 50.53 | 0.88 | 7.24 | 379.8  | 0.7  | 41.58 |
| 1.535 | 15.44 | 50.53 | 0.85 | 7.3  | 345.25 | 0.7  | 41.58 |
| 1.542 | 15.44 | 50.53 | 0.85 | 7.36 | 680.2  | 0.7  | 41.58 |
| 1.544 | 15.44 | 50.53 | 0.8  | 7.34 | 334.01 | 0.71 | 41.58 |
| 1.573 | 15.44 | 50.53 | 0.8  | 7.33 | 440.03 | 0.71 | 41.58 |
| 1.616 | 15.44 | 50.53 | 0.8  | 7.31 | 383.62 | 0.71 | 41.58 |
| 1.652 | 15.44 | 50.53 | 0.8  | 7.3  | 501.35 | 0.71 | 41.58 |
| 1.655 | 15.44 | 50.52 | 0.85 | 7.29 | 333.13 | 0.73 | 41.57 |
| 1.665 | 15.44 | 50.52 | 0.85 | 7.3  | 486.08 | 0.73 | 41.58 |
| 1.684 | 15.43 | 50.52 | 0.85 | 7.3  | 380.71 | 0.73 | 41.58 |
| 1.714 | 15.43 | 50.52 | 0.83 | 7.29 | 331.98 | 0.75 | 41.58 |
| 1.749 | 15.43 | 50.52 | 0.83 | 7.26 | 356.32 | 0.75 | 41.58 |
| 1.784 | 15.43 | 50.52 | 0.83 | 7.24 | 398.0  | 0.75 | 41.58 |
| 1.798 | 15.43 | 50.51 | 0.83 | 7.26 | 372.35 | 0.76 | 41.58 |
| 1.824 | 15.43 | 50.51 | 0.83 | 7.26 | 387.32 | 0.76 | 41.58 |
| 1.87  | 15.42 | 50.51 | 0.83 | 7.28 | 434.51 | 0.76 | 41.58 |
| 1.908 | 15.43 | 50.51 | 0.83 | 7.31 | 314.39 | 0.76 | 41.58 |
| 1.915 | 15.42 | 50.51 | 0.83 | 7.36 | 417.99 | 0.77 | 41.57 |
| 1.926 | 15.42 | 50.51 | 0.83 | 7.37 | 346.9  | 0.77 | 41.58 |
| 1.944 | 15.42 | 50.51 | 0.83 | 7.38 | 326.67 | 0.77 | 41.58 |
| 1.959 | 15.42 | 50.51 | 0.8  | 7.39 | 344.2  | 0.79 | 41.58 |
| 1.967 | 15.42 | 50.5  | 0.8  | 7.4  | 353.54 | 0.79 | 41.58 |
| 1.978 | 15.42 | 50.5  | 0.8  | 7.41 | 314.11 | 0.79 | 41.58 |
| 1.993 | 15.41 | 50.49 | 0.85 | 7.38 | 377.98 | 0.8  | 41.58 |
| 2.002 | 15.41 | 50.5  | 0.78 | 7.36 | 306.48 | 0.81 | 41.58 |
| 2.009 | 15.4  | 50.49 | 0.83 | 7.43 | 367.35 | 0.8  | 41.58 |
| 2.032 | 15.41 | 50.5  | 0.83 | 7.43 | 373.32 | 0.8  | 41.58 |
| 2.093 | 15.41 | 50.5  | 0.83 | 7.44 | 360.62 | 0.8  | 41.58 |
| 2.105 | 15.4  | 50.49 | 0.78 | 7.46 | 405.17 | 0.86 | 41.58 |
| 2.133 | 15.4  | 50.49 | 0.78 | 7.45 | 376.01 | 0.86 | 41.58 |
| 2.194 | 15.4  | 50.49 | 0.78 | 7.46 | 431.68 | 0.86 | 41.58 |
| 2.248 | 15.4  | 50.48 | 0.78 | 7.47 | 368.72 | 0.86 | 41.57 |
| 2.249 | 15.4  | 50.48 | 0.8  | 7.49 | 442.05 | 0.86 | 41.58 |
| 2.259 | 15.39 | 50.47 | 0.76 | 7.52 | 571.32 | 0.91 | 41.58 |
| 2.268 | 15.39 | 50.48 | 0.76 | 7.52 | 569.71 | 0.91 | 41.58 |
| 2.302 | 15.39 | 50.48 | 0.76 | 7.53 | 404.65 | 0.91 | 41.58 |
| 2.344 | 15.39 | 50.47 | 0.8  | 7.55 | 543.41 | 0.9  | 41.57 |
| 2.354 | 15.39 | 50.47 | 0.8  | 7.54 | 379.88 | 0.9  | 41.57 |
| 2.36  | 15.39 | 50.47 | 0.76 | 7.54 | 396.45 | 0.88 | 41.57 |
| 2.37  | 15.39 | 50.47 | 0.76 | 7.56 | 587.6  | 0.88 | 41.57 |
| 2.396 | 15.39 | 50.47 | 0.76 | 7.58 | 434.99 | 0.88 | 41.57 |
| 2.434 | 15.39 | 50.47 | 0.76 | 7.59 | 446.02 | 0.88 | 41.57 |
| 2.477 | 15.39 | 50.46 | 0.78 | 7.6  | 387.65 | 0.87 | 41.57 |
| 2.505 | 15.39 | 50.46 | 0.78 | 7.61 | 377.08 | 0.87 | 41.57 |
| 2.523 | 15.39 | 50.46 | 0.78 | 7.61 | 433.19 | 0.87 | 41.57 |
| 2.532 | 15.38 | 50.46 | 0.78 | 7.62 | 383.04 | 0.87 | 41.57 |
| 2.548 | 15.38 | 50.46 | 0.78 | 7.62 | 307.75 | 0.87 | 41.57 |
| 2.642 | 15.38 | 50.46 | 0.76 | 7.63 | 330.82 | 0.87 | 41.58 |
| 2.715 | 15.38 | 50.46 | 0.76 | 7.64 | 367.19 | 0.87 | 41.58 |
| 2.749 | 15.38 | 50.46 | 0.76 | 7.64 | 299.61 | 0.87 | 41.58 |
| 2.811 | 15.38 | 50.46 | 0.76 | 7.64 | 276.96 | 0.87 | 41.58 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.91  | 15.38 | 50.46 | 0.73 | 7.63 | 300.66 | 0.92 | 41.58 |
| 3.036 | 15.38 | 50.46 | 0.73 | 7.6  | 271.11 | 0.92 | 41.58 |
| 3.143 | 15.38 | 50.46 | 0.73 | 7.57 | 259.5  | 0.92 | 41.58 |
| 3.201 | 15.38 | 50.47 | 0.73 | 7.57 | 251.98 | 0.92 | 41.58 |
| 3.234 | 15.38 | 50.47 | 0.73 | 7.58 | 238.58 | 0.92 | 41.59 |
| 3.282 | 15.38 | 50.47 | 0.83 | 7.56 | 231.92 | 1.03 | 41.59 |
| 3.362 | 15.38 | 50.47 | 0.83 | 7.55 | 219.92 | 1.03 | 41.58 |
| 3.466 | 15.38 | 50.47 | 0.83 | 7.55 | 209.49 | 1.03 | 41.59 |
| 3.565 | 15.38 | 50.48 | 0.83 | 7.56 | 207.95 | 1.03 | 41.59 |
| 3.652 | 15.38 | 50.48 | 0.88 | 7.58 | 197.53 | 1.06 | 41.59 |
| 3.73  | 15.38 | 50.48 | 0.88 | 7.59 | 185.28 | 1.06 | 41.59 |
| 3.822 | 15.38 | 50.48 | 0.88 | 7.6  | 177.54 | 1.06 | 41.59 |
| 3.911 | 15.38 | 50.48 | 0.88 | 7.62 | 178.39 | 1.06 | 41.59 |
| 3.995 | 15.38 | 50.48 | 0.85 | 7.64 | 174.59 | 1.16 | 41.59 |
| 4.087 | 15.38 | 50.48 | 0.85 | 7.65 | 168.1  | 1.16 | 41.59 |
| 4.204 | 15.38 | 50.48 | 0.85 | 7.64 | 164.87 | 1.16 | 41.59 |
| 4.303 | 15.38 | 50.49 | 0.85 | 7.63 | 160.9  | 1.16 | 41.6  |
| 4.392 | 15.38 | 50.49 | 0.85 | 7.62 | 151.78 | 1.16 | 41.6  |
| 4.486 | 15.39 | 50.49 | 0.83 | 7.6  | 146.77 | 1.26 | 41.6  |
| 4.604 | 15.39 | 50.49 | 0.83 | 7.59 | 141.77 | 1.26 | 41.6  |
| 4.742 | 15.39 | 50.49 | 0.83 | 7.59 | 136.98 | 1.26 | 41.6  |
| 4.889 | 15.39 | 50.49 | 0.83 | 7.6  | 131.2  | 1.26 | 41.6  |
| 5.041 | 15.39 | 50.49 | 0.83 | 7.62 | 126.73 | 1.43 | 41.6  |
| 5.193 | 15.39 | 50.49 | 0.83 | 7.65 | 122.02 | 1.43 | 41.6  |
| 5.331 | 15.39 | 50.5  | 0.83 | 7.66 | 118.46 | 1.43 | 41.61 |
| 5.473 | 15.39 | 50.5  | 0.83 | 7.66 | 112.97 | 1.43 | 41.6  |
| 5.603 | 15.39 | 50.51 | 0.83 | 7.66 | 109.79 | 1.6  | 41.61 |
| 5.735 | 15.4  | 50.51 | 0.83 | 7.67 | 106.89 | 1.6  | 41.61 |
| 5.83  | 15.4  | 50.51 | 0.83 | 7.67 | 106.49 | 1.6  | 41.6  |
| 5.875 | 15.4  | 50.51 | 0.83 | 7.68 | 108.15 | 1.6  | 41.6  |
| 5.877 | 15.4  | 50.51 | 0.83 | 7.69 | 111.31 | 1.6  | 41.6  |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.32         | 50.39                  | 0.37              | 6.6               | 113.61                         | 0.58                              | 41.57              |
| <b>PROF (metros)</b> | 2.313         | 2.332                  | 0.796             | 1.192             | 5.103                          | 0.846                             | 1.418              |
| <b>MÁXIMO</b>        | 15.49         | 15.49                  | 0.39              | 8.58              | 216.45                         | 1.1                               | 41.6               |
| <b>PROF (metros)</b> | 0.796         | 0.796                  | 0.995             | 3.682             | 1.159                          | 5.022                             | 1.218              |

| 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                                                     | 15.48      | 50.58               | 0.37           | 7.23           | 193.2                       | 0.62              | 41.58           |
| 1 - 2m                                                     | 15.41      | 50.5                | 0.38           | 7.24           | 203.31                      | 0.73              | 41.58           |
| 2 - 3m                                                     | 15.33      | 50.4                | 0.37           | 8.16           | 180.86                      | 0.91              | 41.58           |
| 3 - 4m                                                     | 15.32      | 50.4                | 0.39           | 8.52           | 148.99                      | 0.93              | 41.58           |
| 4 - 5m                                                     | 15.32      | 50.39               | 0.39           | 8.47           | 126.24                      | 0.96              | 41.58           |
| 5 - 6m                                                     | 15.32      | 50.39               | 0.39           | 8.56           | 113.86                      | 1.1               | 41.58           |

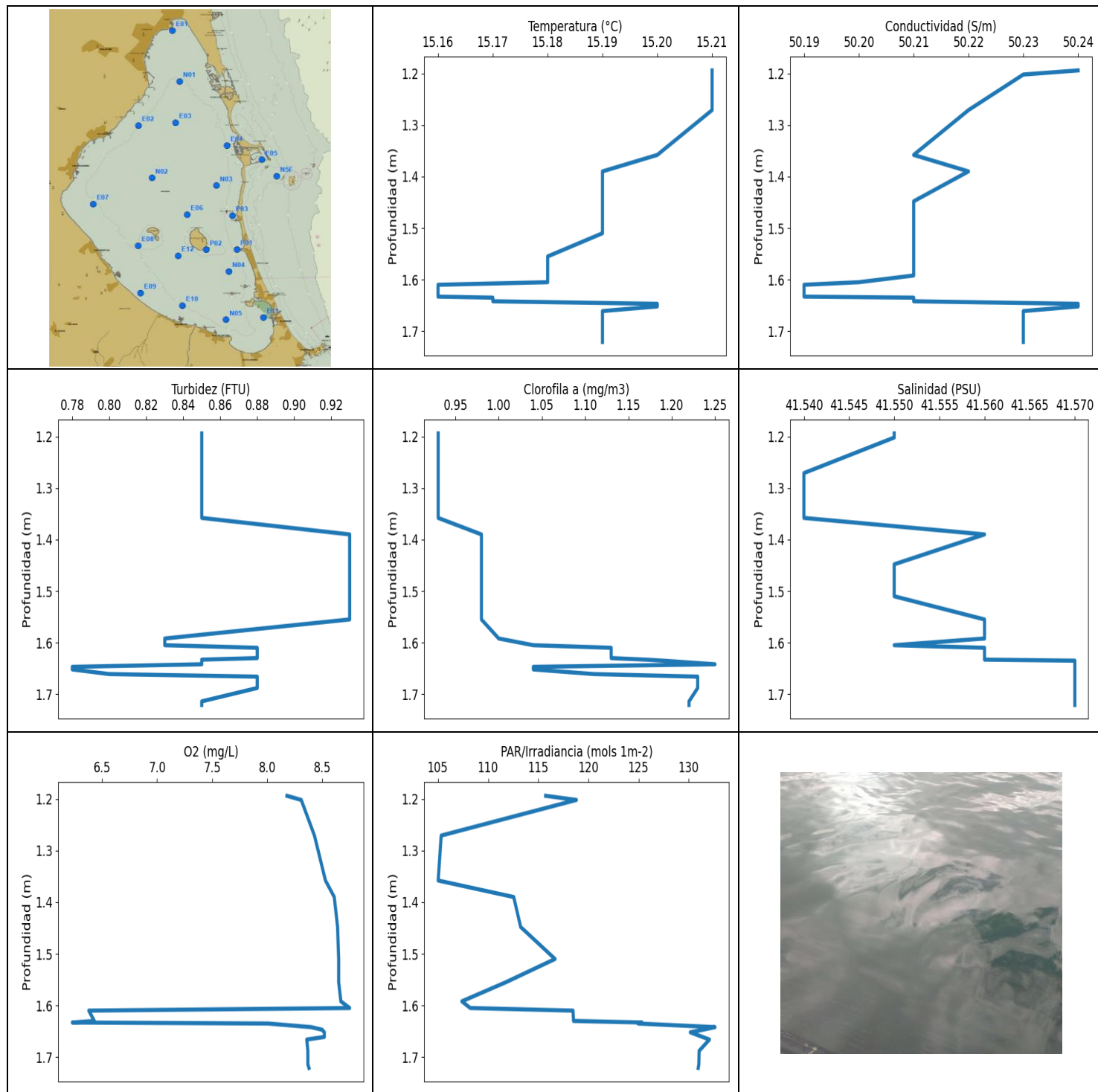
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| 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) |
| 0.796                                                          | 15.49      | 50.59               | 0.37           | 6.78           | 208.68                      | 0.59              | 41.58           |
| 0.846                                                          | 15.49      | 50.59               | 0.37           | 6.84           | 208.09                      | 0.58              | 41.58           |
| 0.873                                                          | 15.49      | 50.59               | 0.37           | 6.97           | 212.9                       | 0.58              | 41.58           |
| 0.884                                                          | 15.49      | 50.59               | 0.37           | 7.24           | 174.51                      | 0.58              | 41.58           |
| 0.901                                                          | 15.48      | 50.58               | 0.37           | 7.37           | 172.13                      | 0.64              | 41.58           |
| 0.938                                                          | 15.48      | 50.58               | 0.37           | 7.49           | 180.31                      | 0.64              | 41.58           |
| 0.98                                                           | 15.48      | 50.58               | 0.37           | 7.58           | 185.89                      | 0.64              | 41.58           |
| 0.995                                                          | 15.47      | 50.57               | 0.39           | 7.46           | 198.09                      | 0.65              | 41.58           |
| 0.997                                                          | 15.47      | 50.57               | 0.39           | 7.34           | 198.18                      | 0.65              | 41.58           |
| 1.01                                                           | 15.47      | 50.58               | 0.39           | 7.22           | 202.14                      | 0.65              | 41.59           |
| 1.036                                                          | 15.47      | 50.57               | 0.39           | 7.09           | 199.69                      | 0.65              | 41.59           |
| 1.071                                                          | 15.47      | 50.57               | 0.39           | 6.98           | 203.2                       | 0.64              | 41.59           |
| 1.097                                                          | 15.47      | 50.58               | 0.39           | 6.88           | 206.91                      | 0.64              | 41.59           |
| 1.116                                                          | 15.47      | 50.57               | 0.39           | 6.8            | 211.1                       | 0.64              | 41.59           |
| 1.139                                                          | 15.47      | 50.57               | 0.39           | 6.72           | 212.11                      | 0.64              | 41.59           |
| 1.159                                                          | 15.46      | 50.57               | 0.37           | 6.67           | 216.45                      | 0.64              | 41.59           |
| 1.172                                                          | 15.46      | 50.57               | 0.37           | 6.62           | 198.78                      | 0.64              | 41.59           |
| 1.192                                                          | 15.46      | 50.56               | 0.37           | 6.6            | 202.37                      | 0.64              | 41.59           |
| 1.21                                                           | 15.46      | 50.57               | 0.37           | 6.6            | 203.69                      | 0.64              | 41.59           |
| 1.218                                                          | 15.46      | 50.57               | 0.37           | 6.61           | 203.74                      | 0.65              | 41.6            |
| 1.226                                                          | 15.46      | 50.55               | 0.37           | 6.64           | 215.23                      | 0.65              | 41.58           |
| 1.241                                                          | 15.45      | 50.55               | 0.37           | 6.66           | 210.09                      | 0.65              | 41.58           |
| 1.262                                                          | 15.45      | 50.56               | 0.37           | 6.69           | 207.36                      | 0.65              | 41.59           |
| 1.267                                                          | 15.44      | 50.53               | 0.37           | 6.85           | 215.84                      | 0.67              | 41.58           |
| 1.276                                                          | 15.44      | 50.53               | 0.37           | 6.92           | 206.73                      | 0.67              | 41.58           |
| 1.296                                                          | 15.44      | 50.53               | 0.37           | 6.99           | 202.06                      | 0.67              | 41.58           |
| 1.301                                                          | 15.43      | 50.52               | 0.37           | 7.1            | 203.82                      | 0.69              | 41.58           |
| 1.31                                                           | 15.42      | 50.52               | 0.37           | 7.06           | 203.91                      | 0.69              | 41.59           |
| 1.33                                                           | 15.42      | 50.51               | 0.37           | 7.01           | 198.26                      | 0.69              | 41.58           |
| 1.36                                                           | 15.42      | 50.51               | 0.37           | 6.97           | 207.99                      | 0.69              | 41.58           |
| 1.388                                                          | 15.42      | 50.51               | 0.37           | 6.92           | 211.74                      | 0.7               | 41.58           |
| 1.414                                                          | 15.41      | 50.5                | 0.37           | 6.92           | 207.95                      | 0.7               | 41.58           |
| 1.415                                                          | 15.41      | 50.5                | 0.37           | 6.93           | 208.49                      | 0.7               | 41.59           |
| 1.418                                                          | 15.4       | 50.48               | 0.37           | 6.94           | 213.87                      | 0.75              | 41.57           |
| 1.44                                                           | 15.4       | 50.49               | 0.37           | 6.97           | 205.47                      | 0.75              | 41.59           |
| 1.469                                                          | 15.4       | 50.48               | 0.37           | 7.02           | 194.04                      | 0.75              | 41.58           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.502 | 15.39 | 50.48 | 0.37 | 7.07 | 201.4  | 0.75 | 41.58 |
| 1.531 | 15.39 | 50.48 | 0.37 | 7.14 | 204.27 | 0.75 | 41.58 |
| 1.548 | 15.39 | 50.47 | 0.39 | 7.22 | 205.21 | 0.76 | 41.58 |
| 1.562 | 15.39 | 50.46 | 0.39 | 7.31 | 205.79 | 0.76 | 41.57 |
| 1.58  | 15.38 | 50.46 | 0.39 | 7.4  | 202.14 | 0.76 | 41.58 |
| 1.603 | 15.38 | 50.46 | 0.39 | 7.49 | 200.3  | 0.76 | 41.58 |
| 1.63  | 15.38 | 50.46 | 0.39 | 7.55 | 195.35 | 0.77 | 41.58 |
| 1.645 | 15.38 | 50.46 | 0.39 | 7.59 | 202.94 | 0.77 | 41.58 |
| 1.646 | 15.38 | 50.45 | 0.39 | 7.63 | 198.22 | 0.77 | 41.58 |
| 1.653 | 15.37 | 50.45 | 0.39 | 7.69 | 205.25 | 0.77 | 41.58 |
| 1.682 | 15.37 | 50.45 | 0.39 | 7.75 | 201.53 | 0.79 | 41.58 |
| 1.716 | 15.37 | 50.45 | 0.39 | 7.77 | 197.06 | 0.79 | 41.58 |
| 1.73  | 15.36 | 50.44 | 0.39 | 7.8  | 205.97 | 0.8  | 41.58 |
| 1.742 | 15.36 | 50.44 | 0.39 | 7.81 | 200.26 | 0.8  | 41.58 |
| 1.765 | 15.36 | 50.44 | 0.39 | 7.83 | 196.33 | 0.8  | 41.58 |
| 1.772 | 15.36 | 50.43 | 0.39 | 7.9  | 206.91 | 0.81 | 41.58 |
| 1.784 | 15.36 | 50.43 | 0.39 | 7.9  | 204.58 | 0.81 | 41.58 |
| 1.815 | 15.36 | 50.44 | 0.37 | 7.89 | 197.53 | 0.8  | 41.58 |
| 1.856 | 15.36 | 50.43 | 0.37 | 7.89 | 195.73 | 0.8  | 41.58 |
| 1.905 | 15.35 | 50.43 | 0.37 | 7.9  | 193.15 | 0.8  | 41.57 |
| 1.945 | 15.35 | 50.43 | 0.37 | 7.9  | 188.54 | 0.8  | 41.58 |
| 1.97  | 15.35 | 50.42 | 0.37 | 7.89 | 195.01 | 0.8  | 41.58 |
| 1.984 | 15.35 | 50.43 | 0.39 | 7.87 | 196.42 | 0.82 | 41.58 |
| 1.999 | 15.35 | 50.43 | 0.39 | 7.85 | 195.86 | 0.82 | 41.58 |
| 2.031 | 15.35 | 50.42 | 0.39 | 7.84 | 195.31 | 0.82 | 41.58 |
| 2.072 | 15.35 | 50.42 | 0.39 | 7.85 | 193.53 | 0.82 | 41.58 |
| 2.101 | 15.35 | 50.42 | 0.37 | 7.87 | 185.65 | 0.86 | 41.58 |
| 2.114 | 15.35 | 50.41 | 0.37 | 7.9  | 186.7  | 0.86 | 41.57 |
| 2.125 | 15.34 | 50.41 | 0.37 | 7.95 | 192.23 | 0.86 | 41.57 |
| 2.144 | 15.34 | 50.4  | 0.37 | 7.99 | 193.28 | 0.86 | 41.57 |
| 2.176 | 15.33 | 50.4  | 0.37 | 8.02 | 193.07 | 0.86 | 41.57 |
| 2.209 | 15.33 | 50.4  | 0.37 | 8.04 | 188.78 | 0.86 | 41.58 |
| 2.231 | 15.33 | 50.4  | 0.37 | 8.04 | 184.92 | 0.86 | 41.57 |
| 2.242 | 15.33 | 50.4  | 0.37 | 8.05 | 185.65 | 0.86 | 41.57 |
| 2.259 | 15.33 | 50.4  | 0.37 | 8.05 | 184.28 | 0.86 | 41.57 |
| 2.285 | 15.33 | 50.4  | 0.37 | 8.05 | 189.07 | 0.91 | 41.58 |
| 2.313 | 15.32 | 50.4  | 0.37 | 8.07 | 187.84 | 0.91 | 41.58 |
| 2.332 | 15.32 | 50.39 | 0.37 | 8.09 | 185.24 | 0.91 | 41.58 |
| 2.344 | 15.32 | 50.39 | 0.37 | 8.11 | 182.32 | 0.91 | 41.58 |
| 2.356 | 15.32 | 50.39 | 0.37 | 8.13 | 180.54 | 0.92 | 41.58 |
| 2.371 | 15.32 | 50.39 | 0.37 | 8.14 | 182.2  | 0.92 | 41.58 |
| 2.393 | 15.32 | 50.39 | 0.37 | 8.16 | 183.87 | 0.92 | 41.58 |
| 2.418 | 15.32 | 50.39 | 0.37 | 8.18 | 181.01 | 0.92 | 41.58 |
| 2.438 | 15.32 | 50.39 | 0.37 | 8.2  | 177.93 | 0.92 | 41.58 |
| 2.448 | 15.32 | 50.39 | 0.39 | 8.21 | 180.5  | 0.92 | 41.58 |
| 2.455 | 15.32 | 50.39 | 0.39 | 8.23 | 177.69 | 0.92 | 41.58 |
| 2.465 | 15.32 | 50.39 | 0.39 | 8.23 | 181.05 | 0.92 | 41.58 |
| 2.485 | 15.32 | 50.39 | 0.39 | 8.23 | 178.55 | 0.92 | 41.58 |
| 2.508 | 15.32 | 50.39 | 0.39 | 8.24 | 174.89 | 0.93 | 41.58 |
| 2.528 | 15.32 | 50.39 | 0.39 | 8.24 | 175.58 | 0.93 | 41.58 |
| 2.534 | 15.32 | 50.39 | 0.37 | 8.32 | 175.88 | 0.94 | 41.58 |
| 2.544 | 15.32 | 50.39 | 0.37 | 8.34 | 177.69 | 0.94 | 41.58 |
| 2.596 | 15.32 | 50.39 | 0.37 | 8.35 | 174.59 | 0.94 | 41.58 |
| 2.662 | 15.32 | 50.39 | 0.37 | 8.36 | 172.7  | 0.94 | 41.58 |
| 2.725 | 15.32 | 50.39 | 0.37 | 8.37 | 168.98 | 0.94 | 41.58 |
| 2.784 | 15.32 | 50.39 | 0.39 | 8.38 | 165.7  | 0.96 | 41.58 |
| 2.845 | 15.32 | 50.4  | 0.39 | 8.39 | 164.98 | 0.96 | 41.58 |
| 2.919 | 15.32 | 50.39 | 0.39 | 8.4  | 164.76 | 0.96 | 41.58 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.997 | 15.32 | 50.39 | 0.39 | 8.42 | 162.98 | 0.96 | 41.58 |
| 3.066 | 15.32 | 50.39 | 0.39 | 8.45 | 159.5  | 0.94 | 41.58 |
| 3.133 | 15.32 | 50.39 | 0.39 | 8.46 | 156.51 | 0.94 | 41.58 |
| 3.199 | 15.32 | 50.39 | 0.39 | 8.48 | 156.71 | 0.94 | 41.58 |
| 3.269 | 15.32 | 50.39 | 0.39 | 8.49 | 155.32 | 0.94 | 41.58 |
| 3.355 | 15.32 | 50.4  | 0.39 | 8.49 | 153.54 | 0.93 | 41.58 |
| 3.441 | 15.32 | 50.4  | 0.39 | 8.5  | 151.05 | 0.93 | 41.58 |
| 3.502 | 15.32 | 50.4  | 0.39 | 8.52 | 149.25 | 0.93 | 41.58 |
| 3.548 | 15.32 | 50.4  | 0.39 | 8.55 | 147.86 | 0.93 | 41.58 |
| 3.605 | 15.32 | 50.4  | 0.39 | 8.57 | 146.67 | 0.93 | 41.58 |
| 3.682 | 15.32 | 50.4  | 0.39 | 8.58 | 145.97 | 0.92 | 41.58 |
| 3.773 | 15.32 | 50.4  | 0.39 | 8.58 | 144.36 | 0.92 | 41.58 |
| 3.861 | 15.32 | 50.39 | 0.39 | 8.58 | 142.3  | 0.92 | 41.58 |
| 3.931 | 15.32 | 50.4  | 0.39 | 8.57 | 139.54 | 0.92 | 41.58 |
| 3.99  | 15.32 | 50.4  | 0.39 | 8.55 | 137.31 | 0.94 | 41.58 |
| 4.042 | 15.32 | 50.4  | 0.39 | 8.51 | 136.38 | 0.94 | 41.58 |
| 4.137 | 15.32 | 50.4  | 0.39 | 8.47 | 133.85 | 0.94 | 41.58 |
| 4.281 | 15.32 | 50.39 | 0.39 | 8.43 | 130.51 | 0.94 | 41.58 |
| 4.439 | 15.32 | 50.39 | 0.39 | 8.42 | 127.73 | 0.94 | 41.57 |
| 4.596 | 15.32 | 50.39 | 0.39 | 8.44 | 124.27 | 0.98 | 41.57 |
| 4.721 | 15.32 | 50.39 | 0.39 | 8.46 | 121.7  | 0.98 | 41.58 |
| 4.822 | 15.32 | 50.39 | 0.39 | 8.5  | 119.11 | 0.98 | 41.57 |
| 4.917 | 15.32 | 50.39 | 0.39 | 8.53 | 116.39 | 0.98 | 41.58 |
| 5.022 | 15.32 | 50.39 | 0.39 | 8.55 | 114.11 | 1.1  | 41.58 |
| 5.103 | 15.32 | 50.39 | 0.39 | 8.57 | 113.61 | 1.1  | 41.58 |





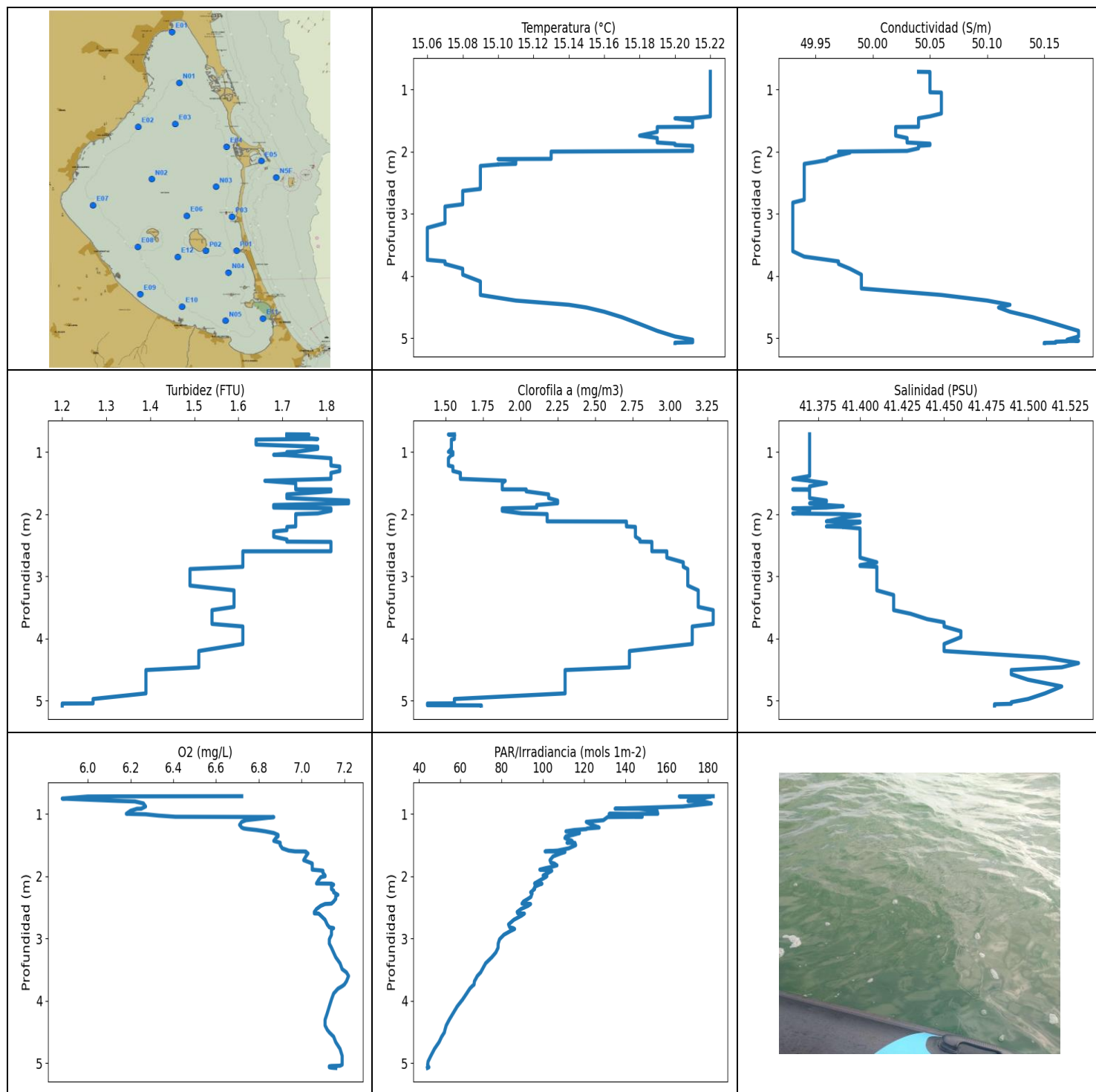
### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m³) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|----------------------|--------------------|
| <b>MÍNIMO</b>        | 15.16         | 50.19                  | 0.78              | 6.23              | 105.02                         | 0.93                 | 41.54              |
| <b>PROF (metros)</b> | 1.61          | 1.61                   | 1.647             | 1.633             | 1.358                          | 1.194                | 1.271              |
| <b>MÁXIMO</b>        | 15.21         | 15.21                  | 0.93              | 8.75              | 132.61                         | 1.25                 | 41.57              |
| <b>PROF (metros)</b> | 1.194         | 1.194                  | 1.39              | 1.605             | 1.642                          | 1.642                | 1.635              |

| 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) |
| 1 - 2m                                                     | 15.18      | 50.22               | 0.86           | 8.18           | 120.57                      | 1.08              | 41.56           |

| 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) |
| 1.194                                                          | 15.21      | 50.24               | 0.85           | 8.18           | 115.73                      | 0.93              | 41.55           |
| 1.202                                                          | 15.21      | 50.23               | 0.85           | 8.31           | 118.8                       | 0.93              | 41.55           |
| 1.271                                                          | 15.21      | 50.22               | 0.85           | 8.43           | 105.32                      | 0.93              | 41.54           |
| 1.358                                                          | 15.2       | 50.21               | 0.85           | 8.53           | 105.02                      | 0.93              | 41.54           |
| 1.39                                                           | 15.19      | 50.22               | 0.93           | 8.61           | 112.55                      | 0.98              | 41.56           |
| 1.448                                                          | 15.19      | 50.21               | 0.93           | 8.64           | 113.24                      | 0.98              | 41.55           |
| 1.51                                                           | 15.19      | 50.21               | 0.93           | 8.65           | 116.67                      | 0.98              | 41.55           |
| 1.555                                                          | 15.18      | 50.21               | 0.93           | 8.65           | 111.77                      | 0.98              | 41.56           |
| 1.592                                                          | 15.18      | 50.21               | 0.83           | 8.67           | 107.38                      | 1.0               | 41.56           |
| 1.605                                                          | 15.18      | 50.2                | 0.83           | 8.75           | 108.22                      | 1.04              | 41.55           |
| 1.61                                                           | 15.16      | 50.19               | 0.88           | 6.38           | 118.46                      | 1.13              | 41.56           |
| 1.63                                                           | 15.16      | 50.19               | 0.88           | 6.43           | 118.51                      | 1.13              | 41.56           |
| 1.633                                                          | 15.16      | 50.19               | 0.85           | 6.23           | 125.33                      | 1.17              | 41.56           |
| 1.635                                                          | 15.17      | 50.21               | 0.85           | 8.01           | 124.95                      | 1.19              | 41.57           |
| 1.642                                                          | 15.17      | 50.21               | 0.85           | 8.4            | 132.61                      | 1.25              | 41.57           |
| 1.647                                                          | 15.2       | 50.24               | 0.78           | 8.5            | 131.4                       | 1.04              | 41.57           |
| 1.652                                                          | 15.2       | 50.24               | 0.78           | 8.52           | 130.15                      | 1.04              | 41.57           |
| 1.661                                                          | 15.19      | 50.23               | 0.8            | 8.52           | 131.37                      | 1.11              | 41.57           |
| 1.666                                                          | 15.19      | 50.23               | 0.88           | 8.36           | 132.06                      | 1.23              | 41.57           |
| 1.688                                                          | 15.19      | 50.23               | 0.88           | 8.37           | 131.03                      | 1.23              | 41.57           |
| 1.714                                                          | 15.19      | 50.23               | 0.85           | 8.37           | 131.0                       | 1.22              | 41.57           |
| 1.721                                                          | 15.19      | 50.23               | 0.85           | 8.38           | 130.94                      | 1.22              | 41.57           |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.06         | 49.93                  | 1.2               | 5.88              | 44.18                          | 1.38                              | 41.36              |
| <b>PROF (metros)</b> | 3.227         | 2.821                  | 5.048             | 0.754             | 5.08                           | 5.048                             | 1.433              |
| <b>MÁXIMO</b>        | 15.22         | 15.22                  | 1.85              | 7.22              | 182.52                         | 3.29                              | 41.53              |
| <b>PROF (metros)</b> | 0.716         | 4.885                  | 1.782             | 3.603             | 0.716                          | 3.545                             | 4.397              |

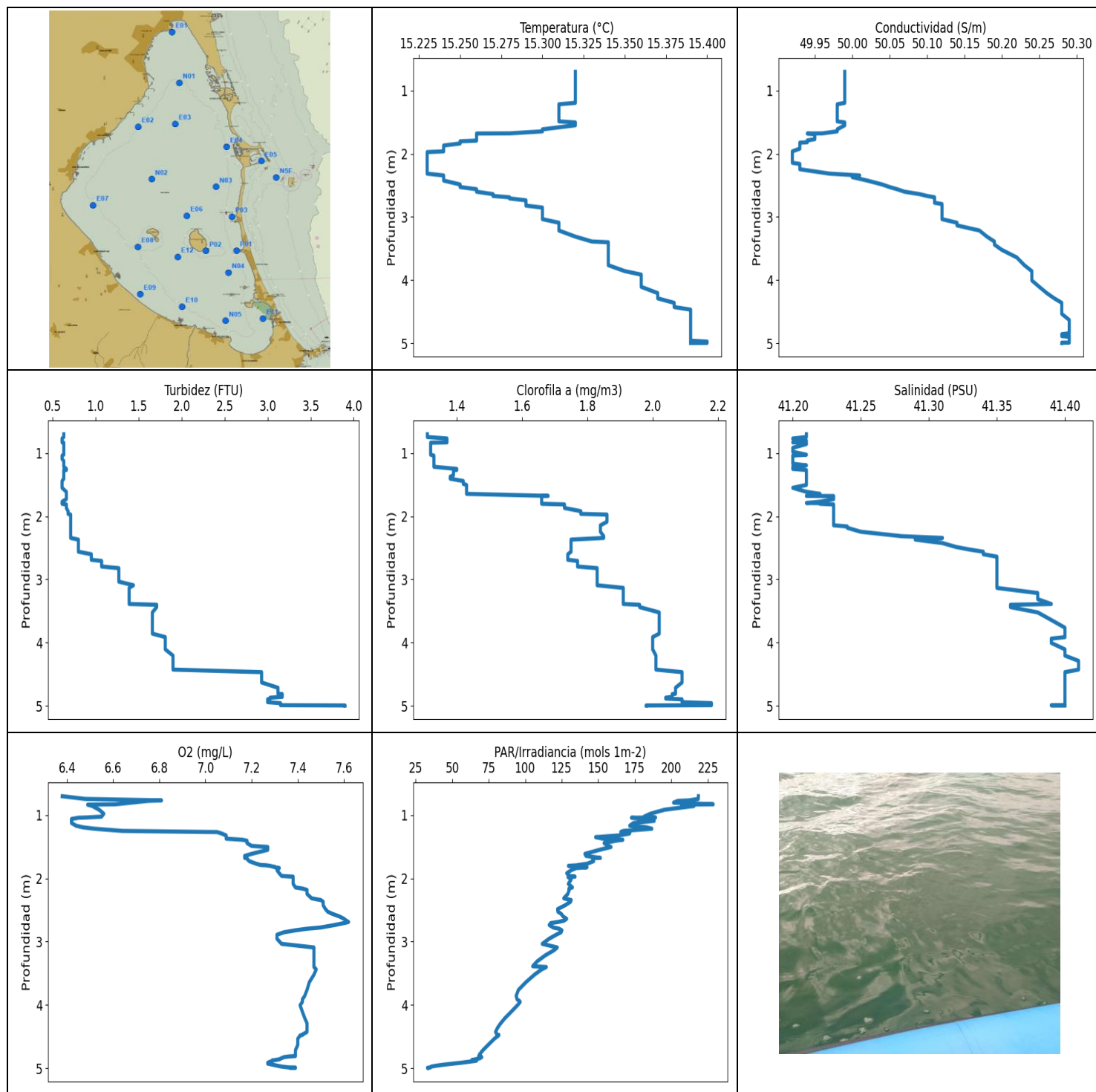
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 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                                                     | 15.22      | 50.05               | 1.72           | 6.21           | 166.35                      | 1.54              | 41.37           |
| 1 - 2m                                                     | 15.21      | 50.04               | 1.77           | 6.87           | 114.72                      | 1.81              | 41.37           |
| 2 - 3m                                                     | 15.1       | 49.94               | 1.69           | 7.12           | 92.21                       | 2.79              | 41.4            |
| 3 - 4m                                                     | 15.07      | 49.95               | 1.55           | 7.17           | 70.55                       | 3.2               | 41.43           |
| 4 - 5m                                                     | 15.14      | 50.11               | 1.44           | 7.14           | 51.54                       | 2.47              | 41.5            |
| 5 - 6m                                                     | 15.21      | 50.17               | 1.22           | 7.15           | 44.47                       | 1.51              | 41.49           |

| OBSERVACIONES GENERALES                                                                                              |
|----------------------------------------------------------------------------------------------------------------------|
| CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m, 3 - 4m, 4 - 5m con los valores 2.79, 3.2, 2.47 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) |
| 0.716                                                          | 15.22      | 50.04               | 1.71           | 6.72           | 182.52                      | 1.56              | 41.37           |
| 0.719                                                          | 15.22      | 50.05               | 1.76           | 6.15           | 166.13                      | 1.52              | 41.37           |
| 0.721                                                          | 15.22      | 50.05               | 1.71           | 6.0            | 181.25                      | 1.56              | 41.37           |
| 0.754                                                          | 15.22      | 50.05               | 1.71           | 5.88           | 176.15                      | 1.56              | 41.37           |
| 0.791                                                          | 15.22      | 50.05               | 1.78           | 6.14           | 170.31                      | 1.56              | 41.37           |
| 0.8                                                            | 15.22      | 50.05               | 1.64           | 6.22           | 177.85                      | 1.54              | 41.37           |
| 0.832                                                          | 15.22      | 50.05               | 1.64           | 6.26           | 181.61                      | 1.54              | 41.37           |
| 0.881                                                          | 15.22      | 50.05               | 1.64           | 6.27           | 167.73                      | 1.54              | 41.37           |
| 0.916                                                          | 15.22      | 50.05               | 1.78           | 6.25           | 135.02                      | 1.54              | 41.37           |
| 0.918                                                          | 15.22      | 50.05               | 1.78           | 6.23           | 146.58                      | 1.54              | 41.37           |
| 0.95                                                           | 15.22      | 50.05               | 1.78           | 6.2            | 155.32                      | 1.54              | 41.37           |
| 0.998                                                          | 15.22      | 50.05               | 1.73           | 6.18           | 155.69                      | 1.52              | 41.37           |
| 1.001                                                          | 15.22      | 50.05               | 1.71           | 6.21           | 132.15                      | 1.55              | 41.37           |
| 1.006                                                          | 15.22      | 50.05               | 1.71           | 6.27           | 140.64                      | 1.55              | 41.37           |
| 1.027                                                          | 15.22      | 50.05               | 1.71           | 6.33           | 140.7                       | 1.55              | 41.37           |
| 1.046                                                          | 15.22      | 50.05               | 1.68           | 6.41           | 148.15                      | 1.55              | 41.37           |
| 1.05                                                           | 15.22      | 50.06               | 1.71           | 6.85           | 133.07                      | 1.54              | 41.37           |
| 1.051                                                          | 15.22      | 50.06               | 1.71           | 6.87           | 131.4                       | 1.54              | 41.37           |
| 1.101                                                          | 15.22      | 50.06               | 1.81           | 6.74           | 129.35                      | 1.52              | 41.37           |
| 1.128                                                          | 15.22      | 50.06               | 1.81           | 6.72           | 121.07                      | 1.52              | 41.37           |
| 1.176                                                          | 15.22      | 50.06               | 1.81           | 6.71           | 123.79                      | 1.52              | 41.37           |
| 1.219                                                          | 15.22      | 50.06               | 1.81           | 6.72           | 127.29                      | 1.52              | 41.37           |
| 1.234                                                          | 15.22      | 50.06               | 1.83           | 6.73           | 121.57                      | 1.55              | 41.37           |
| 1.244                                                          | 15.22      | 50.06               | 1.83           | 6.75           | 121.02                      | 1.55              | 41.37           |
| 1.259                                                          | 15.22      | 50.06               | 1.83           | 6.79           | 115.15                      | 1.55              | 41.37           |
| 1.28                                                           | 15.22      | 50.06               | 1.83           | 6.83           | 111.21                      | 1.55              | 41.37           |
| 1.307                                                          | 15.22      | 50.06               | 1.83           | 6.87           | 117.79                      | 1.55              | 41.37           |
| 1.337                                                          | 15.22      | 50.06               | 1.81           | 6.89           | 114.58                      | 1.6               | 41.37           |
| 1.36                                                           | 15.22      | 50.06               | 1.81           | 6.89           | 111.21                      | 1.6               | 41.37           |
| 1.387                                                          | 15.22      | 50.06               | 1.81           | 6.88           | 110.73                      | 1.6               | 41.37           |
| 1.433                                                          | 15.22      | 50.05               | 1.81           | 6.87           | 114.21                      | 1.6               | 41.36           |
| 1.463                                                          | 15.21      | 50.04               | 1.66           | 6.9            | 111.74                      | 1.9               | 41.37           |
| 1.465                                                          | 15.2       | 50.04               | 1.66           | 6.9            | 115.58                      | 1.9               | 41.37           |
| 1.502                                                          | 15.21      | 50.04               | 1.73           | 6.9            | 115.93                      | 1.88              | 41.38           |
| 1.553                                                          | 15.21      | 50.04               | 1.73           | 6.91           | 112.55                      | 1.88              | 41.37           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.589 | 15.21 | 50.04 | 1.73 | 6.94 | 107.22 | 1.88 | 41.37 |
| 1.602 | 15.21 | 50.04 | 1.73 | 6.97 | 101.14 | 1.88 | 41.37 |
| 1.603 | 15.2  | 50.03 | 1.81 | 7.01 | 105.82 | 2.04 | 41.36 |
| 1.605 | 15.19 | 50.02 | 1.81 | 7.02 | 109.62 | 2.04 | 41.37 |
| 1.612 | 15.19 | 50.02 | 1.81 | 7.02 | 110.75 | 2.04 | 41.37 |
| 1.634 | 15.19 | 50.02 | 1.81 | 7.03 | 108.7  | 2.04 | 41.37 |
| 1.683 | 15.19 | 50.02 | 1.71 | 7.02 | 104.97 | 2.19 | 41.37 |
| 1.743 | 15.18 | 50.02 | 1.71 | 7.01 | 103.52 | 2.19 | 41.37 |
| 1.782 | 15.19 | 50.03 | 1.85 | 7.04 | 103.91 | 2.25 | 41.38 |
| 1.796 | 15.19 | 50.03 | 1.85 | 7.05 | 105.52 | 2.25 | 41.38 |
| 1.826 | 15.19 | 50.03 | 1.85 | 7.05 | 106.87 | 2.25 | 41.37 |
| 1.854 | 15.19 | 50.03 | 1.68 | 7.05 | 103.82 | 2.11 | 41.38 |
| 1.873 | 15.2  | 50.05 | 1.68 | 7.05 | 101.16 | 2.11 | 41.39 |
| 1.895 | 15.2  | 50.05 | 1.68 | 7.05 | 98.59  | 2.11 | 41.38 |
| 1.908 | 15.21 | 50.04 | 1.81 | 7.09 | 103.95 | 1.88 | 41.36 |
| 1.913 | 15.21 | 50.04 | 1.81 | 7.1  | 104.36 | 1.88 | 41.37 |
| 1.947 | 15.21 | 50.04 | 1.81 | 7.1  | 102.6  | 1.88 | 41.37 |
| 1.989 | 15.21 | 50.03 | 1.78 | 7.11 | 100.19 | 2.01 | 41.36 |
| 2.0   | 15.13 | 49.97 | 1.73 | 7.11 | 102.0  | 2.18 | 41.39 |
| 2.016 | 15.13 | 49.98 | 1.73 | 7.09 | 101.4  | 2.18 | 41.4  |
| 2.06  | 15.13 | 49.97 | 1.73 | 7.08 | 98.96  | 2.18 | 41.39 |
| 2.117 | 15.13 | 49.96 | 1.73 | 7.07 | 96.05  | 2.18 | 41.38 |
| 2.12  | 15.1  | 49.96 | 1.73 | 7.14 | 99.61  | 2.71 | 41.4  |
| 2.136 | 15.11 | 49.96 | 1.73 | 7.15 | 98.31  | 2.71 | 41.4  |
| 2.169 | 15.11 | 49.95 | 1.73 | 7.14 | 96.13  | 2.71 | 41.39 |
| 2.198 | 15.11 | 49.94 | 1.73 | 7.14 | 96.07  | 2.71 | 41.38 |
| 2.206 | 15.1  | 49.94 | 1.71 | 7.14 | 95.63  | 2.77 | 41.39 |
| 2.208 | 15.1  | 49.94 | 1.71 | 7.14 | 96.01  | 2.77 | 41.39 |
| 2.231 | 15.09 | 49.94 | 1.71 | 7.15 | 95.13  | 2.77 | 41.4  |
| 2.259 | 15.09 | 49.94 | 1.71 | 7.15 | 94.14  | 2.77 | 41.4  |
| 2.279 | 15.09 | 49.94 | 1.68 | 7.16 | 94.84  | 2.77 | 41.4  |
| 2.299 | 15.09 | 49.94 | 1.68 | 7.17 | 94.54  | 2.77 | 41.4  |
| 2.317 | 15.09 | 49.94 | 1.68 | 7.16 | 94.43  | 2.77 | 41.4  |
| 2.334 | 15.09 | 49.94 | 1.68 | 7.16 | 94.23  | 2.77 | 41.4  |
| 2.364 | 15.09 | 49.94 | 1.68 | 7.16 | 92.84  | 2.77 | 41.4  |
| 2.408 | 15.09 | 49.94 | 1.71 | 7.15 | 90.66  | 2.8  | 41.4  |
| 2.44  | 15.09 | 49.94 | 1.71 | 7.14 | 89.96  | 2.8  | 41.4  |
| 2.443 | 15.09 | 49.94 | 1.71 | 7.13 | 93.15  | 2.8  | 41.4  |
| 2.447 | 15.09 | 49.94 | 1.81 | 7.11 | 94.1   | 2.88 | 41.4  |
| 2.476 | 15.09 | 49.94 | 1.81 | 7.09 | 92.86  | 2.88 | 41.4  |
| 2.528 | 15.09 | 49.94 | 1.81 | 7.07 | 89.45  | 2.88 | 41.4  |
| 2.575 | 15.09 | 49.94 | 1.81 | 7.06 | 87.62  | 2.88 | 41.4  |
| 2.598 | 15.09 | 49.94 | 1.81 | 7.06 | 87.92  | 2.88 | 41.4  |
| 2.599 | 15.09 | 49.94 | 1.61 | 7.07 | 89.37  | 2.98 | 41.4  |
| 2.601 | 15.09 | 49.94 | 1.61 | 7.08 | 91.1   | 2.98 | 41.4  |
| 2.633 | 15.08 | 49.94 | 1.61 | 7.09 | 89.74  | 2.98 | 41.4  |
| 2.7   | 15.08 | 49.94 | 1.61 | 7.11 | 86.01  | 2.98 | 41.4  |
| 2.775 | 15.08 | 49.94 | 1.61 | 7.12 | 83.44  | 3.09 | 41.41 |
| 2.821 | 15.08 | 49.93 | 1.61 | 7.13 | 84.01  | 3.09 | 41.4  |
| 2.835 | 15.08 | 49.93 | 1.61 | 7.15 | 85.73  | 3.09 | 41.4  |
| 2.848 | 15.08 | 49.93 | 1.61 | 7.14 | 86.37  | 3.09 | 41.41 |
| 2.884 | 15.07 | 49.93 | 1.49 | 7.14 | 84.21  | 3.12 | 41.41 |
| 2.94  | 15.07 | 49.93 | 1.49 | 7.14 | 81.22  | 3.12 | 41.41 |
| 3.013 | 15.07 | 49.93 | 1.49 | 7.13 | 79.08  | 3.12 | 41.41 |
| 3.083 | 15.07 | 49.93 | 1.49 | 7.13 | 78.42  | 3.12 | 41.41 |
| 3.15  | 15.07 | 49.93 | 1.49 | 7.14 | 78.37  | 3.12 | 41.41 |
| 3.227 | 15.06 | 49.93 | 1.59 | 7.15 | 77.25  | 3.19 | 41.41 |
| 3.302 | 15.06 | 49.93 | 1.59 | 7.16 | 75.34  | 3.19 | 41.42 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.399 | 15.06 | 49.93 | 1.59 | 7.18 | 72.34 | 3.19 | 41.42 |
| 3.493 | 15.06 | 49.93 | 1.59 | 7.19 | 70.78 | 3.19 | 41.42 |
| 3.545 | 15.06 | 49.93 | 1.54 | 7.21 | 69.92 | 3.29 | 41.42 |
| 3.603 | 15.06 | 49.93 | 1.54 | 7.22 | 68.32 | 3.29 | 41.43 |
| 3.69  | 15.06 | 49.94 | 1.54 | 7.21 | 66.91 | 3.29 | 41.44 |
| 3.741 | 15.06 | 49.96 | 1.54 | 7.2  | 66.74 | 3.29 | 41.45 |
| 3.767 | 15.07 | 49.97 | 1.54 | 7.19 | 65.8  | 3.29 | 41.45 |
| 3.808 | 15.07 | 49.97 | 1.61 | 7.17 | 64.64 | 3.15 | 41.45 |
| 3.885 | 15.08 | 49.98 | 1.61 | 7.15 | 63.13 | 3.15 | 41.46 |
| 3.98  | 15.08 | 49.99 | 1.61 | 7.14 | 61.21 | 3.15 | 41.46 |
| 4.09  | 15.09 | 49.99 | 1.61 | 7.13 | 58.61 | 3.15 | 41.45 |
| 4.203 | 15.09 | 49.99 | 1.51 | 7.12 | 56.57 | 2.73 | 41.45 |
| 4.307 | 15.09 | 50.06 | 1.51 | 7.11 | 54.69 | 2.73 | 41.51 |
| 4.397 | 15.11 | 50.1  | 1.51 | 7.11 | 53.27 | 2.73 | 41.53 |
| 4.465 | 15.14 | 50.12 | 1.51 | 7.12 | 52.67 | 2.73 | 41.52 |
| 4.509 | 15.15 | 50.11 | 1.39 | 7.13 | 52.37 | 2.3  | 41.49 |
| 4.577 | 15.16 | 50.12 | 1.39 | 7.15 | 51.06 | 2.3  | 41.49 |
| 4.665 | 15.17 | 50.14 | 1.39 | 7.16 | 49.8  | 2.3  | 41.5  |
| 4.773 | 15.18 | 50.16 | 1.39 | 7.18 | 47.58 | 2.3  | 41.52 |
| 4.885 | 15.19 | 50.18 | 1.39 | 7.19 | 45.82 | 2.3  | 41.51 |
| 4.975 | 15.2  | 50.18 | 1.27 | 7.19 | 44.5  | 1.56 | 41.5  |
| 5.027 | 15.21 | 50.17 | 1.27 | 7.19 | 44.26 | 1.56 | 41.49 |
| 5.044 | 15.21 | 50.18 | 1.27 | 7.18 | 44.45 | 1.56 | 41.49 |
| 5.046 | 15.21 | 50.18 | 1.27 | 7.16 | 44.38 | 1.56 | 41.49 |
| 5.048 | 15.21 | 50.17 | 1.2  | 7.14 | 44.45 | 1.38 | 41.49 |
| 5.053 | 15.21 | 50.17 | 1.2  | 7.13 | 44.54 | 1.38 | 41.49 |
| 5.06  | 15.21 | 50.16 | 1.2  | 7.13 | 44.64 | 1.38 | 41.48 |
| 5.068 | 15.21 | 50.16 | 1.2  | 7.13 | 44.88 | 1.38 | 41.48 |
| 5.075 | 15.2  | 50.16 | 1.2  | 7.14 | 44.55 | 1.38 | 41.48 |
| 5.078 | 15.2  | 50.15 | 1.2  | 7.15 | 44.33 | 1.74 | 41.48 |
| 5.08  | 15.2  | 50.15 | 1.2  | 7.16 | 44.18 | 1.74 | 41.48 |



### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 15.23         | 49.92                  | 0.61              | 6.38              | 33.1                           | 1.31                              | 41.2               |
| <b>PROF (metros)</b> | 1.973         | 1.962                  | 0.768             | 0.702             | 4.995                          | 0.702                             | 0.768              |
| <b>MÁXIMO</b>        | 15.4          | 15.4                   | 3.9               | 7.62              | 228.66                         | 2.18                              | 41.41              |
| <b>PROF (metros)</b> | 4.974         | 4.631                  | 4.995             | 2.689             | 0.83                           | 4.959                             | 4.289              |

| 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                                                     | 15.32      | 49.99               | 0.62           | 6.58           | 208.7                       | 1.34              | 41.21           |
| 1 - 2m                                                     | 15.29      | 49.97               | 0.64           | 7.04           | 154.65                      | 1.52              | 41.21           |
| 2 - 3m                                                     | 15.26      | 50.04               | 0.91           | 7.48           | 125.39                      | 1.8               | 41.31           |
| 3 - 4m                                                     | 15.33      | 50.19               | 1.58           | 7.44           | 105.96                      | 1.95              | 41.38           |
| 4 - 5m                                                     | 15.39      | 50.28               | 2.9            | 7.36           | 64.26                       | 2.07              | 41.4            |

| OBSERVACIONES GENERALES                                                                   |
|-------------------------------------------------------------------------------------------|
| CLOROFILA elevada en la(s) columna(s) de agua 4 - 5m con los valores 2.07 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                                                          | 15.32      | 49.99               | 0.63           | 6.38           | 218.53                      | 1.31              | 41.21           |
| 0.745                                                          | 15.32      | 49.99               | 0.63           | 6.48           | 218.44                      | 1.31              | 41.21           |
| 0.768                                                          | 15.32      | 49.99               | 0.61           | 6.81           | 211.97                      | 1.37              | 41.2            |
| 0.776                                                          | 15.32      | 49.99               | 0.61           | 6.75           | 204.4                       | 1.37              | 41.2            |
| 0.803                                                          | 15.32      | 49.99               | 0.61           | 6.68           | 201.53                      | 1.37              | 41.21           |
| 0.83                                                           | 15.32      | 49.99               | 0.61           | 6.61           | 228.66                      | 1.37              | 41.2            |
| 0.835                                                          | 15.32      | 49.99               | 0.63           | 6.49           | 207.0                       | 1.32              | 41.21           |
| 0.856                                                          | 15.32      | 49.99               | 0.63           | 6.51           | 215.46                      | 1.32              | 41.21           |
| 0.916                                                          | 15.32      | 49.99               | 0.63           | 6.54           | 195.31                      | 1.32              | 41.2            |
| 0.979                                                          | 15.32      | 49.99               | 0.63           | 6.56           | 185.65                      | 1.32              | 41.2            |
| 1.025                                                          | 15.32      | 49.99               | 0.63           | 6.55           | 181.33                      | 1.32              | 41.21           |
| 1.039                                                          | 15.32      | 49.99               | 0.61           | 6.48           | 189.24                      | 1.33              | 41.2            |
| 1.042                                                          | 15.32      | 49.99               | 0.61           | 6.45           | 172.7                       | 1.33              | 41.2            |
| 1.062                                                          | 15.32      | 49.99               | 0.61           | 6.42           | 182.2                       | 1.33              | 41.2            |
| 1.091                                                          | 15.32      | 49.99               | 0.61           | 6.42           | 188.29                      | 1.33              | 41.2            |
| 1.125                                                          | 15.32      | 49.99               | 0.63           | 6.42           | 174.17                      | 1.33              | 41.2            |
| 1.168                                                          | 15.32      | 49.99               | 0.63           | 6.44           | 171.53                      | 1.33              | 41.2            |
| 1.194                                                          | 15.32      | 49.99               | 0.63           | 6.47           | 183.12                      | 1.33              | 41.21           |
| 1.216                                                          | 15.31      | 49.98               | 0.63           | 6.52           | 186.66                      | 1.33              | 41.2            |
| 1.25                                                           | 15.31      | 49.98               | 0.66           | 6.64           | 167.26                      | 1.4               | 41.2            |
| 1.267                                                          | 15.31      | 49.98               | 0.66           | 7.01           | 165.41                      | 1.4               | 41.21           |
| 1.268                                                          | 15.31      | 49.98               | 0.63           | 7.05           | 171.72                      | 1.39              | 41.21           |
| 1.291                                                          | 15.31      | 49.98               | 0.63           | 7.07           | 171.39                      | 1.39              | 41.21           |
| 1.322                                                          | 15.31      | 49.98               | 0.63           | 7.09           | 164.08                      | 1.39              | 41.21           |
| 1.349                                                          | 15.31      | 49.98               | 0.63           | 7.09           | 148.18                      | 1.39              | 41.21           |
| 1.373                                                          | 15.31      | 49.98               | 0.63           | 7.09           | 153.3                       | 1.38              | 41.21           |
| 1.39                                                           | 15.31      | 49.98               | 0.63           | 7.16           | 166.82                      | 1.38              | 41.21           |
| 1.405                                                          | 15.31      | 49.98               | 0.63           | 7.18           | 162.06                      | 1.38              | 41.21           |
| 1.442                                                          | 15.31      | 49.98               | 0.61           | 7.18           | 154.01                      | 1.42              | 41.21           |
| 1.487                                                          | 15.31      | 49.98               | 0.61           | 7.2            | 156.51                      | 1.42              | 41.21           |
| 1.504                                                          | 15.32      | 49.99               | 0.61           | 7.27           | 158.7                       | 1.43              | 41.21           |
| 1.549                                                          | 15.32      | 49.99               | 0.61           | 7.27           | 150.89                      | 1.43              | 41.2            |
| 1.613                                                          | 15.3       | 49.98               | 0.66           | 7.2            | 140.85                      | 1.43              | 41.21           |
| 1.645                                                          | 15.3       | 49.98               | 0.66           | 7.17           | 141.62                      | 1.43              | 41.22           |
| 1.677                                                          | 15.28      | 49.96               | 0.66           | 7.17           | 151.45                      | 1.68              | 41.21           |
| 1.679                                                          | 15.26      | 49.94               | 0.66           | 7.18           | 146.32                      | 1.66              | 41.23           |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.69  | 15.26 | 49.95 | 0.66 | 7.18 | 146.07 | 1.66 | 41.23 |
| 1.728 | 15.26 | 49.95 | 0.66 | 7.19 | 146.83 | 1.66 | 41.23 |
| 1.769 | 15.26 | 49.95 | 0.61 | 7.22 | 142.33 | 1.66 | 41.22 |
| 1.789 | 15.26 | 49.94 | 0.61 | 7.24 | 136.32 | 1.66 | 41.21 |
| 1.792 | 15.26 | 49.94 | 0.61 | 7.26 | 136.53 | 1.66 | 41.22 |
| 1.802 | 15.25 | 49.94 | 0.61 | 7.28 | 129.58 | 1.66 | 41.22 |
| 1.812 | 15.25 | 49.94 | 0.66 | 7.29 | 133.48 | 1.73 | 41.23 |
| 1.818 | 15.25 | 49.94 | 0.66 | 7.3  | 138.63 | 1.73 | 41.23 |
| 1.824 | 15.25 | 49.93 | 0.66 | 7.3  | 142.3  | 1.73 | 41.23 |
| 1.837 | 15.25 | 49.93 | 0.66 | 7.32 | 134.94 | 1.73 | 41.23 |
| 1.869 | 15.24 | 49.93 | 0.66 | 7.31 | 131.63 | 1.73 | 41.23 |
| 1.919 | 15.24 | 49.93 | 0.68 | 7.32 | 128.43 | 1.78 | 41.23 |
| 1.962 | 15.24 | 49.92 | 0.68 | 7.33 | 130.29 | 1.78 | 41.23 |
| 1.973 | 15.23 | 49.92 | 0.71 | 7.38 | 134.12 | 1.86 | 41.23 |
| 1.979 | 15.23 | 49.92 | 0.71 | 7.38 | 129.3  | 1.86 | 41.23 |
| 2.016 | 15.23 | 49.92 | 0.71 | 7.38 | 131.46 | 1.86 | 41.23 |
| 2.087 | 15.23 | 49.92 | 0.71 | 7.38 | 129.52 | 1.86 | 41.23 |
| 2.143 | 15.23 | 49.92 | 0.71 | 7.39 | 132.32 | 1.84 | 41.23 |
| 2.161 | 15.23 | 49.93 | 0.71 | 7.42 | 129.92 | 1.84 | 41.24 |
| 2.182 | 15.23 | 49.93 | 0.71 | 7.44 | 130.15 | 1.84 | 41.24 |
| 2.245 | 15.23 | 49.93 | 0.71 | 7.44 | 129.19 | 1.84 | 41.25 |
| 2.315 | 15.23 | 49.97 | 0.71 | 7.46 | 126.38 | 1.85 | 41.28 |
| 2.343 | 15.24 | 50.01 | 0.71 | 7.5  | 131.48 | 1.85 | 41.31 |
| 2.369 | 15.24 | 50.0  | 0.8  | 7.51 | 131.03 | 1.75 | 41.29 |
| 2.424 | 15.24 | 50.02 | 0.8  | 7.51 | 127.4  | 1.75 | 41.31 |
| 2.486 | 15.25 | 50.04 | 0.8  | 7.52 | 122.15 | 1.75 | 41.32 |
| 2.527 | 15.25 | 50.05 | 0.8  | 7.53 | 122.39 | 1.75 | 41.33 |
| 2.561 | 15.26 | 50.06 | 0.8  | 7.55 | 124.65 | 1.75 | 41.34 |
| 2.601 | 15.26 | 50.07 | 0.95 | 7.58 | 125.88 | 1.74 | 41.34 |
| 2.639 | 15.27 | 50.09 | 0.95 | 7.6  | 128.37 | 1.74 | 41.35 |
| 2.668 | 15.27 | 50.1  | 0.95 | 7.61 | 126.62 | 1.74 | 41.35 |
| 2.689 | 15.28 | 50.11 | 0.95 | 7.62 | 122.45 | 1.74 | 41.35 |
| 2.707 | 15.28 | 50.11 | 1.07 | 7.6  | 117.46 | 1.77 | 41.35 |
| 2.737 | 15.29 | 50.11 | 1.07 | 7.56 | 116.44 | 1.77 | 41.35 |
| 2.776 | 15.29 | 50.11 | 1.07 | 7.5  | 119.19 | 1.77 | 41.35 |
| 2.796 | 15.29 | 50.12 | 1.07 | 7.44 | 123.2  | 1.77 | 41.35 |
| 2.821 | 15.29 | 50.12 | 1.27 | 7.39 | 125.12 | 1.83 | 41.35 |
| 2.852 | 15.3  | 50.12 | 1.27 | 7.34 | 124.52 | 1.83 | 41.35 |
| 2.891 | 15.3  | 50.12 | 1.27 | 7.31 | 121.2  | 1.83 | 41.35 |
| 2.955 | 15.3  | 50.12 | 1.27 | 7.31 | 116.29 | 1.83 | 41.35 |
| 3.035 | 15.3  | 50.12 | 1.27 | 7.33 | 111.67 | 1.83 | 41.35 |
| 3.092 | 15.31 | 50.14 | 1.44 | 7.47 | 121.94 | 1.83 | 41.35 |
| 3.134 | 15.31 | 50.14 | 1.39 | 7.47 | 119.84 | 1.91 | 41.35 |
| 3.215 | 15.31 | 50.17 | 1.39 | 7.47 | 113.86 | 1.91 | 41.38 |
| 3.312 | 15.32 | 50.18 | 1.39 | 7.47 | 108.15 | 1.91 | 41.38 |
| 3.389 | 15.33 | 50.19 | 1.39 | 7.47 | 105.13 | 1.91 | 41.39 |
| 3.401 | 15.34 | 50.19 | 1.71 | 7.47 | 114.45 | 1.96 | 41.36 |
| 3.438 | 15.34 | 50.19 | 1.71 | 7.48 | 111.31 | 1.96 | 41.36 |
| 3.522 | 15.34 | 50.2  | 1.66 | 7.47 | 106.33 | 2.02 | 41.38 |
| 3.642 | 15.34 | 50.22 | 1.66 | 7.45 | 100.44 | 2.02 | 41.39 |
| 3.764 | 15.34 | 50.23 | 1.66 | 7.44 | 95.32  | 2.02 | 41.4  |
| 3.858 | 15.35 | 50.24 | 1.66 | 7.43 | 93.8   | 2.02 | 41.4  |
| 3.913 | 15.36 | 50.24 | 1.81 | 7.42 | 94.47  | 2.0  | 41.4  |
| 3.937 | 15.36 | 50.24 | 1.81 | 7.42 | 96.09  | 2.0  | 41.39 |
| 3.952 | 15.36 | 50.24 | 1.81 | 7.42 | 96.57  | 2.0  | 41.39 |
| 4.005 | 15.36 | 50.24 | 1.81 | 7.41 | 94.7   | 2.0  | 41.39 |
| 4.107 | 15.36 | 50.25 | 1.81 | 7.42 | 90.47  | 2.0  | 41.4  |
| 4.206 | 15.37 | 50.26 | 1.9  | 7.43 | 86.24  | 2.01 | 41.4  |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 4.289 | 15.37 | 50.27 | 1.9  | 7.44 | 83.25 | 2.01 | 41.41 |
| 4.36  | 15.38 | 50.28 | 1.9  | 7.44 | 81.1  | 2.01 | 41.41 |
| 4.427 | 15.38 | 50.28 | 1.9  | 7.44 | 79.7  | 2.01 | 41.41 |
| 4.468 | 15.39 | 50.28 | 2.93 | 7.42 | 80.69 | 2.09 | 41.4  |
| 4.474 | 15.39 | 50.28 | 2.93 | 7.42 | 82.02 | 2.09 | 41.4  |
| 4.483 | 15.39 | 50.28 | 2.93 | 7.41 | 81.74 | 2.09 | 41.4  |
| 4.535 | 15.39 | 50.28 | 2.93 | 7.4  | 78.84 | 2.09 | 41.4  |
| 4.631 | 15.39 | 50.29 | 2.93 | 7.4  | 74.66 | 2.09 | 41.4  |
| 4.715 | 15.39 | 50.29 | 3.12 | 7.39 | 71.06 | 2.07 | 41.4  |
| 4.778 | 15.39 | 50.29 | 3.12 | 7.39 | 68.86 | 2.07 | 41.4  |
| 4.807 | 15.39 | 50.29 | 3.12 | 7.39 | 68.22 | 2.07 | 41.4  |
| 4.81  | 15.39 | 50.29 | 3.12 | 7.38 | 68.8  | 2.07 | 41.4  |
| 4.815 | 15.39 | 50.29 | 3.17 | 7.36 | 69.84 | 2.06 | 41.4  |
| 4.825 | 15.39 | 50.29 | 3.17 | 7.34 | 70.24 | 2.06 | 41.4  |
| 4.841 | 15.39 | 50.29 | 3.17 | 7.33 | 69.1  | 2.06 | 41.4  |
| 4.859 | 15.39 | 50.28 | 3.17 | 7.32 | 65.96 | 2.06 | 41.4  |
| 4.872 | 15.39 | 50.29 | 3.03 | 7.3  | 63.41 | 2.04 | 41.4  |
| 4.875 | 15.39 | 50.29 | 3.03 | 7.29 | 66.32 | 2.04 | 41.4  |
| 4.878 | 15.39 | 50.29 | 3.03 | 7.29 | 66.82 | 2.04 | 41.4  |
| 4.886 | 15.39 | 50.28 | 3.03 | 7.29 | 65.23 | 2.04 | 41.4  |
| 4.898 | 15.39 | 50.29 | 3.0  | 7.28 | 61.28 | 2.09 | 41.4  |
| 4.913 | 15.39 | 50.29 | 3.0  | 7.27 | 56.36 | 2.09 | 41.4  |
| 4.928 | 15.39 | 50.29 | 3.0  | 7.27 | 50.32 | 2.09 | 41.4  |
| 4.943 | 15.39 | 50.29 | 3.0  | 7.29 | 44.62 | 2.09 | 41.4  |
| 4.959 | 15.39 | 50.29 | 3.15 | 7.31 | 39.49 | 2.18 | 41.4  |
| 4.974 | 15.4  | 50.29 | 3.15 | 7.33 | 35.66 | 2.18 | 41.4  |
| 4.987 | 15.4  | 50.29 | 3.15 | 7.36 | 35.1  | 2.18 | 41.4  |
| 4.99  | 15.4  | 50.29 | 3.15 | 7.39 | 34.95 | 2.18 | 41.4  |
| 4.991 | 15.4  | 50.28 | 3.15 | 7.39 | 33.44 | 2.18 | 41.39 |
| 4.995 | 15.4  | 50.28 | 3.9  | 7.39 | 33.1  | 1.98 | 41.39 |
| 4.996 | 15.39 | 50.28 | 3.9  | 7.37 | 33.2  | 1.98 | 41.4  |