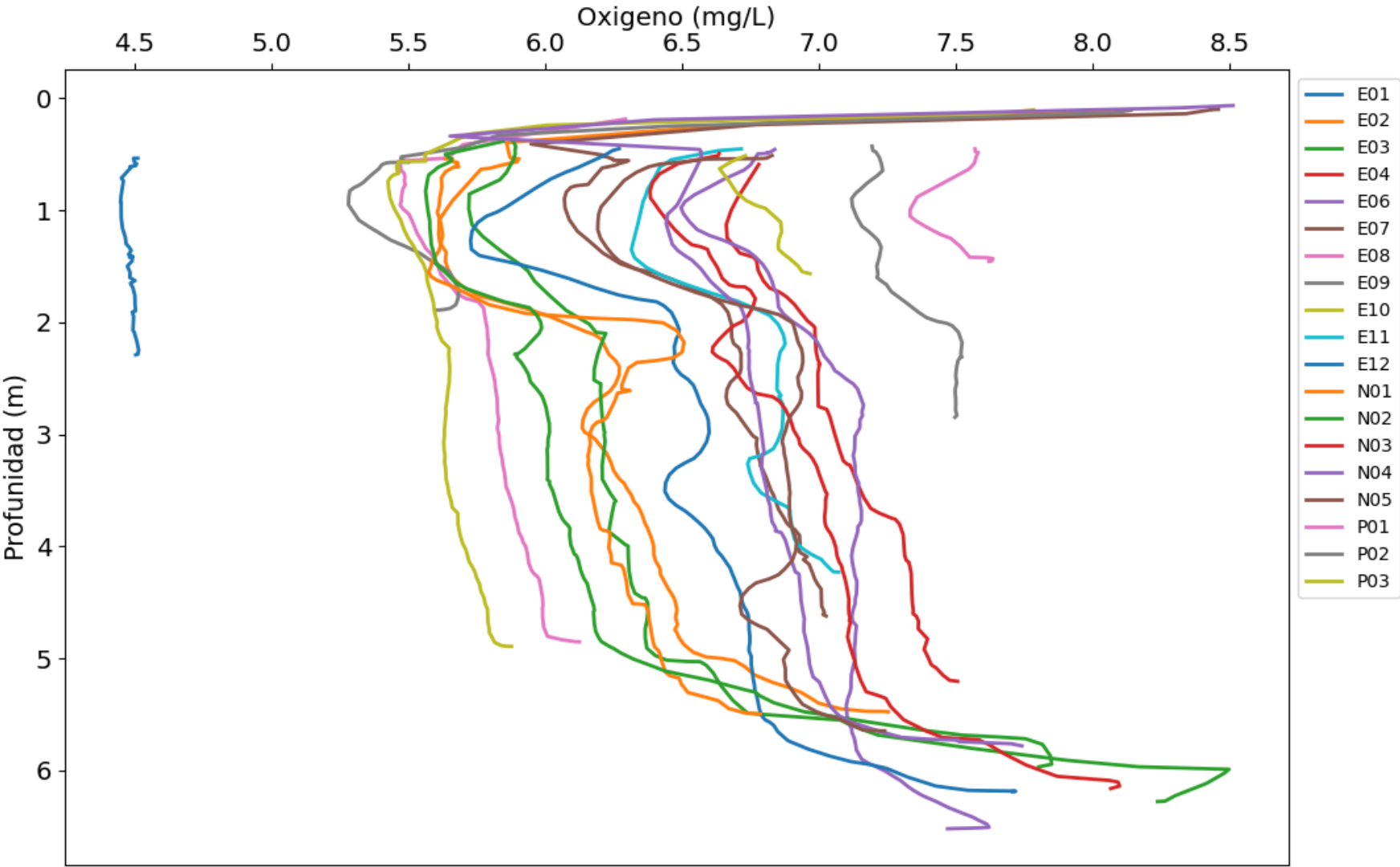
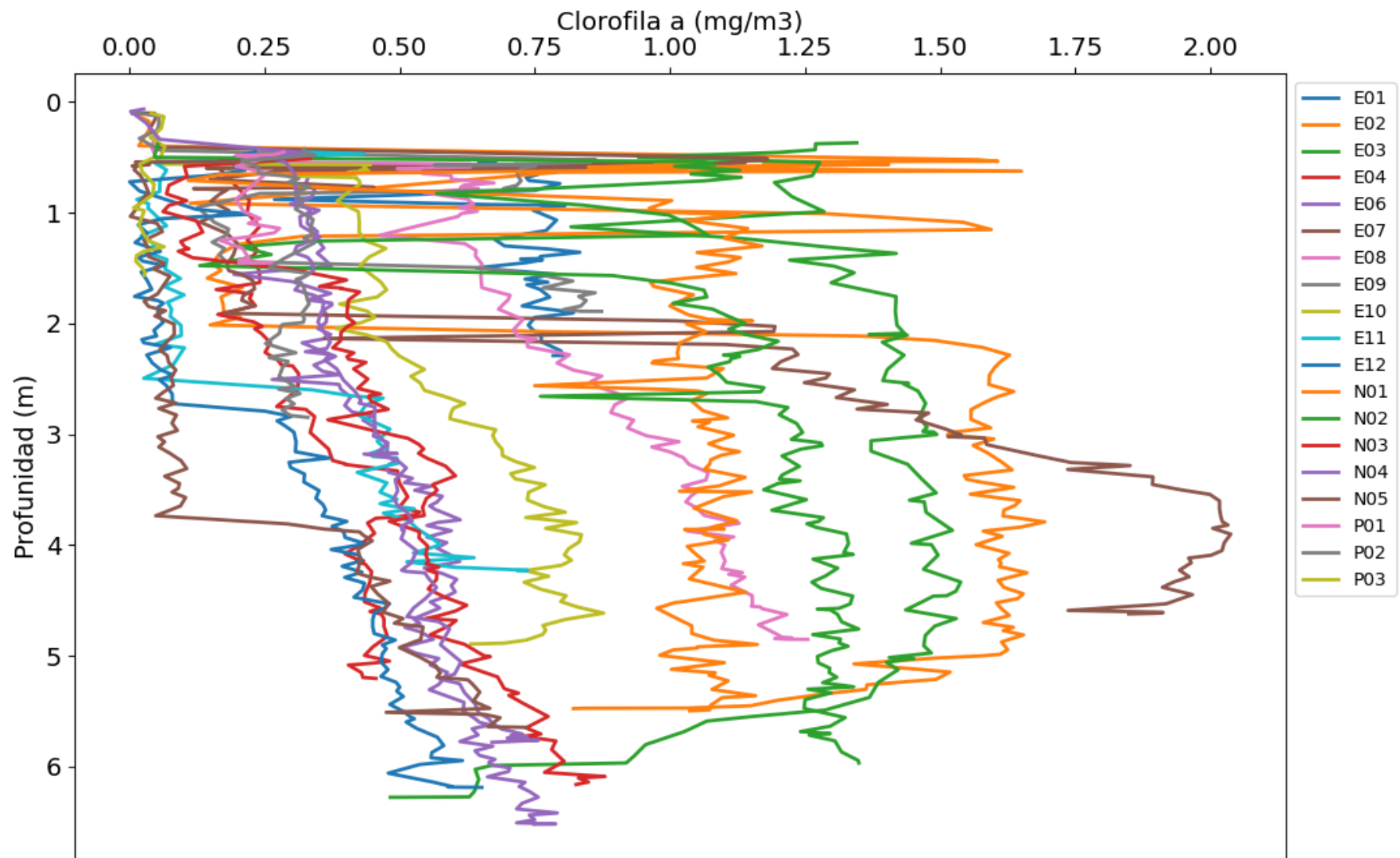
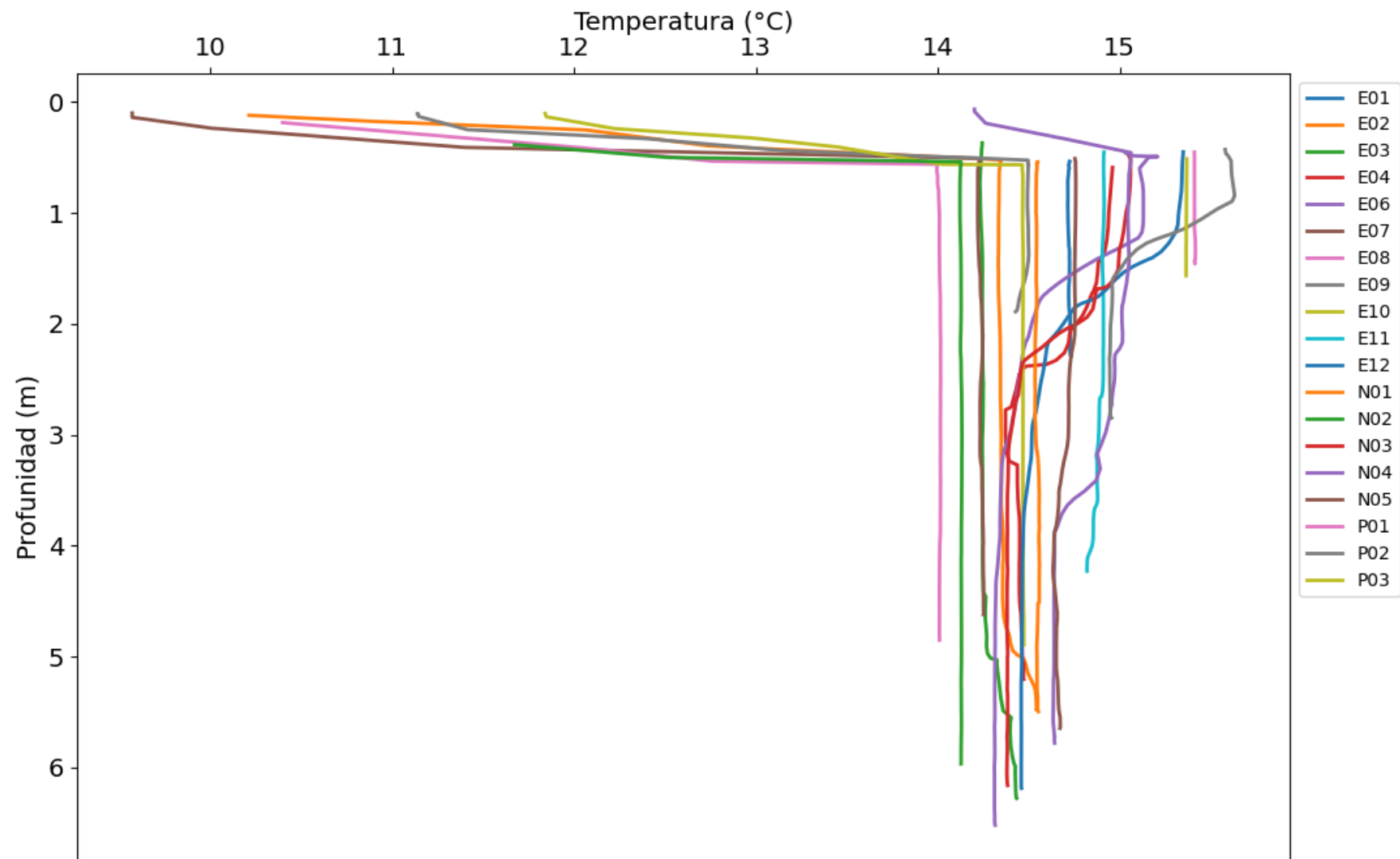
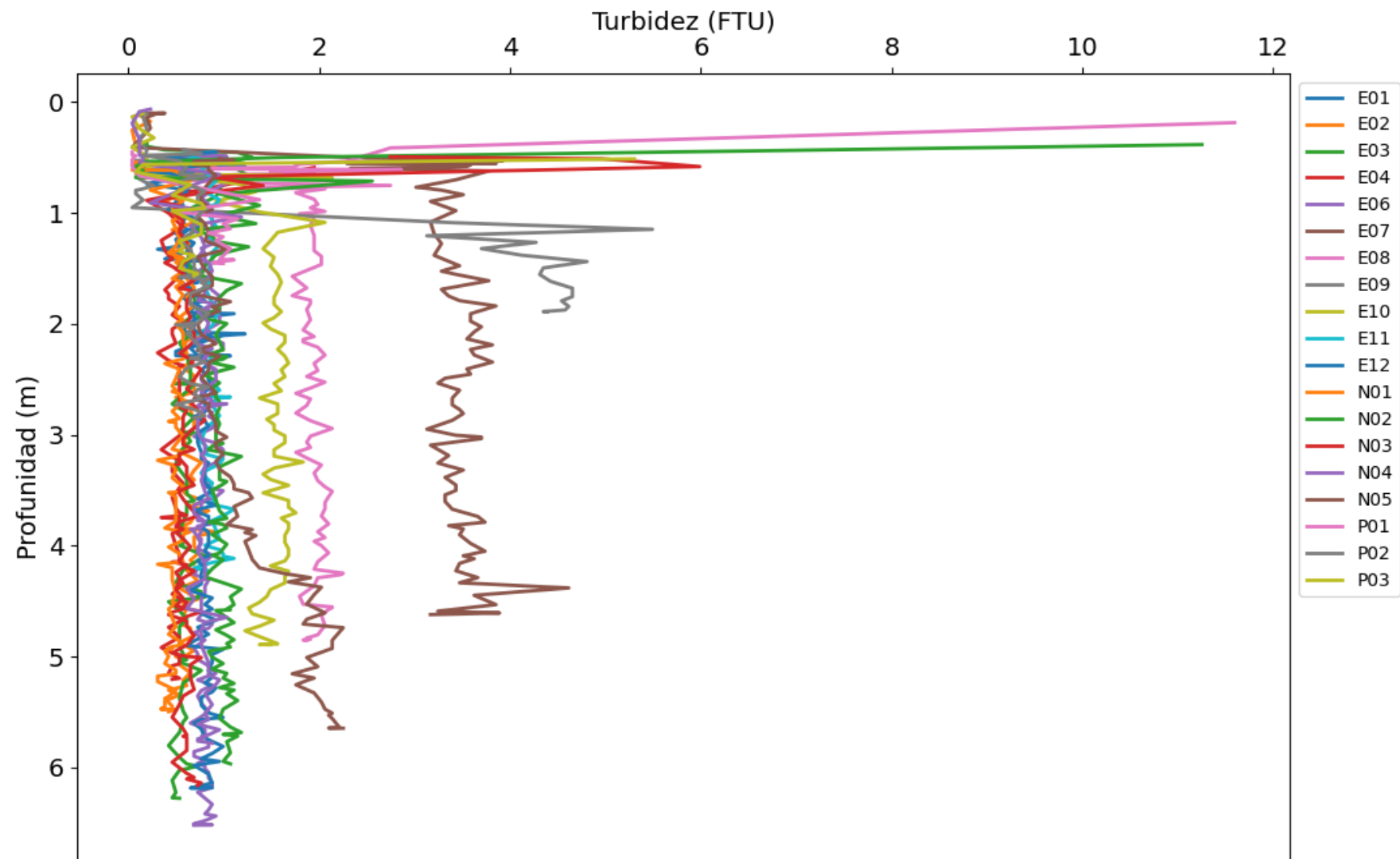
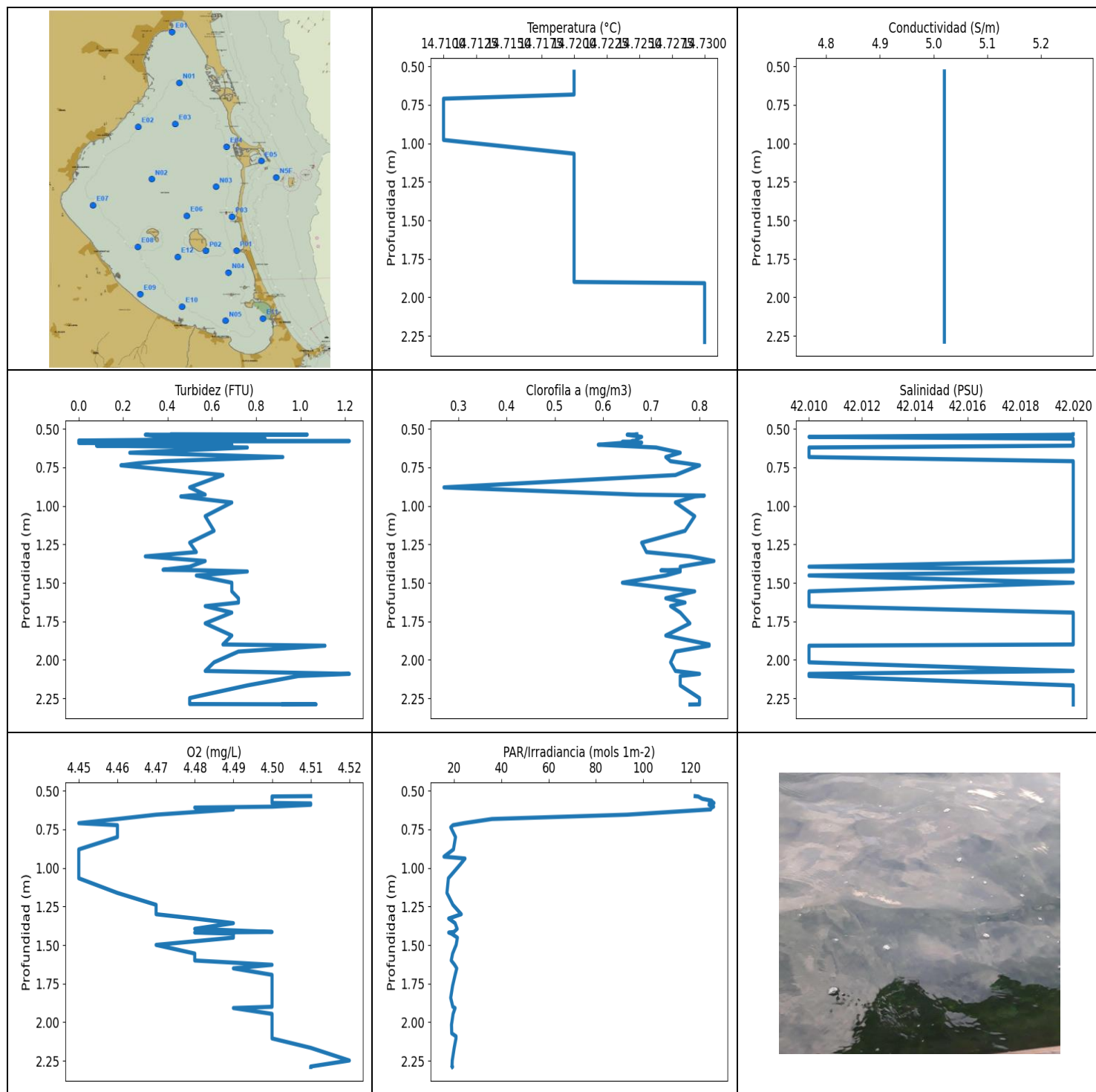












### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

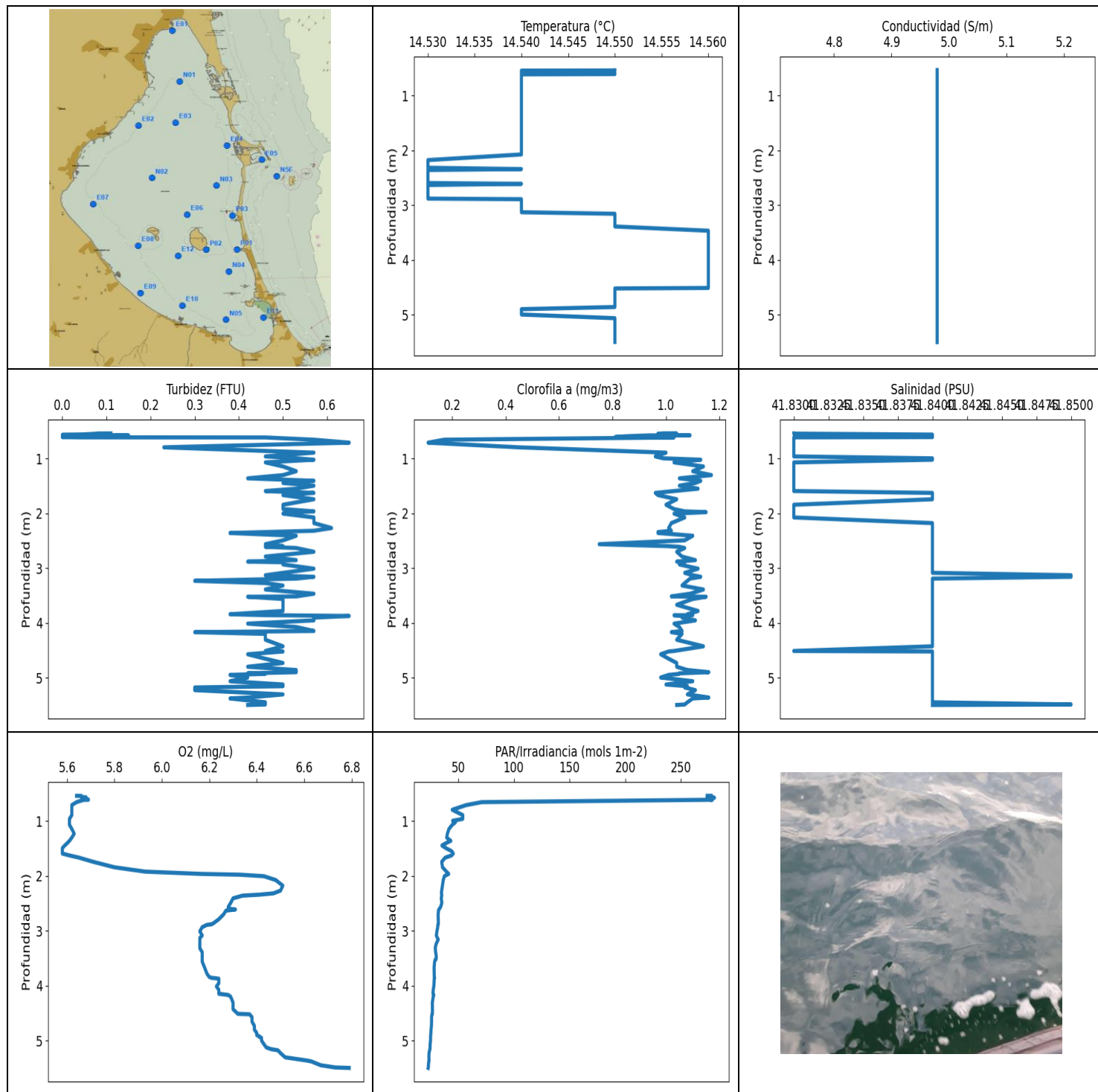
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 14.71         | 5.02                   | 0.0               | 4.45              | 15.78                          | 0.27                              | 42.01              |
| <b>PROF (metros)</b> | 0.71          | 0.535                  | 0.576             | 0.71              | 0.927                          | 0.88                              | 0.552              |
| <b>MÁXIMO</b>        | 14.73         | 14.73                  | 1.22              | 4.52              | 129.83                         | 0.83                              | 42.02              |
| <b>PROF (metros)</b> | 1.908         | 0.535                  | 0.579             | 2.248             | 0.579                          | 1.358                             | 0.535              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E01 - Punto 001                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.72      | 5.02                | 0.52           | 4.48           | 77.76                       | 0.69              | 42.02           |
| 1 - 2m                                                     | 14.72      | 5.02                | 0.62           | 4.49           | 19.72                       | 0.75              | 42.02           |
| 2 - 3m                                                     | 14.73      | 5.02                | 0.79           | 4.5            | 19.67                       | 0.78              | 42.02           |

| 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) |
| 0.535                                                          | 14.72      | 5.02                | 0.42           | 4.51           | 121.87                      | 0.67              | 42.02           |
| 0.537                                                          | 14.72      | 5.02                | 1.03           | 4.5            | 123.01                      | 0.67              | 42.02           |
| 0.538                                                          | 14.72      | 5.02                | 0.3            | 4.5            | 123.26                      | 0.65              | 42.02           |
| 0.552                                                          | 14.72      | 5.02                | 0.38           | 4.5            | 124.87                      | 0.68              | 42.01           |
| 0.564                                                          | 14.72      | 5.02                | 0.84           | 4.5            | 128.81                      | 0.67              | 42.02           |
| 0.576                                                          | 14.72      | 5.02                | 0.0            | 4.5            | 129.35                      | 0.67              | 42.02           |
| 0.579                                                          | 14.72      | 5.02                | 1.22           | 4.5            | 129.83                      | 0.66              | 42.02           |
| 0.582                                                          | 14.72      | 5.02                | 0.3            | 4.51           | 127.86                      | 0.67              | 42.02           |
| 0.584                                                          | 14.72      | 5.02                | 0.11           | 4.51           | 128.63                      | 0.64              | 42.02           |
| 0.589                                                          | 14.72      | 5.02                | 0.0            | 4.51           | 128.78                      | 0.68              | 42.02           |
| 0.591                                                          | 14.72      | 5.02                | 0.0            | 4.51           | 127.74                      | 0.64              | 42.02           |
| 0.603                                                          | 14.72      | 5.02                | 0.69           | 4.5            | 129.68                      | 0.59              | 42.02           |
| 0.609                                                          | 14.72      | 5.02                | 0.08           | 4.48           | 128.87                      | 0.63              | 42.02           |
| 0.621                                                          | 14.72      | 5.02                | 0.76           | 4.49           | 128.39                      | 0.71              | 42.01           |
| 0.655                                                          | 14.72      | 5.02                | 0.23           | 4.47           | 93.14                       | 0.76              | 42.01           |
| 0.683                                                          | 14.72      | 5.02                | 0.92           | 4.46           | 36.05                       | 0.73              | 42.01           |
| 0.71                                                           | 14.71      | 5.02                | 0.38           | 4.45           | 24.24                       | 0.74              | 42.02           |
| 0.723                                                          | 14.71      | 5.02                | 0.27           | 4.46           | 19.57                       | 0.77              | 42.02           |
| 0.737                                                          | 14.71      | 5.02                | 0.19           | 4.46           | 18.64                       | 0.8               | 42.02           |
| 0.8                                                            | 14.71      | 5.02                | 0.65           | 4.46           | 20.66                       | 0.75              | 42.02           |
| 0.88                                                           | 14.71      | 5.02                | 0.5            | 4.45           | 19.78                       | 0.27              | 42.02           |
| 0.927                                                          | 14.71      | 5.02                | 0.57           | 4.45           | 15.78                       | 0.67              | 42.02           |
| 0.933                                                          | 14.71      | 5.02                | 0.5            | 4.45           | 20.41                       | 0.81              | 42.02           |
| 0.939                                                          | 14.71      | 5.02                | 0.46           | 4.45           | 24.66                       | 0.79              | 42.02           |
| 0.978                                                          | 14.71      | 5.02                | 0.69           | 4.45           | 22.62                       | 0.75              | 42.02           |
| 1.067                                                          | 14.72      | 5.02                | 0.57           | 4.45           | 17.65                       | 0.79              | 42.02           |
| 1.162                                                          | 14.72      | 5.02                | 0.61           | 4.46           | 17.03                       | 0.77              | 42.02           |
| 1.239                                                          | 14.72      | 5.02                | 0.5            | 4.47           | 19.55                       | 0.68              | 42.02           |
| 1.3                                                            | 14.72      | 5.02                | 0.53           | 4.47           | 23.08                       | 0.69              | 42.02           |
| 1.328                                                          | 14.72      | 5.02                | 0.3            | 4.48           | 17.77                       | 0.78              | 42.02           |
| 1.358                                                          | 14.72      | 5.02                | 0.57           | 4.49           | 20.46                       | 0.83              | 42.02           |
| 1.395                                                          | 14.72      | 5.02                | 0.5            | 4.48           | 21.35                       | 0.76              | 42.01           |
| 1.415                                                          | 14.72      | 5.02                | 0.38           | 4.5            | 19.96                       | 0.76              | 42.02           |
| 1.419                                                          | 14.72      | 5.02                | 0.57           | 4.48           | 17.78                       | 0.72              | 42.02           |
| 1.426                                                          | 14.72      | 5.02                | 0.76           | 4.49           | 18.95                       | 0.76              | 42.02           |
| 1.452                                                          | 14.72      | 5.02                | 0.53           | 4.49           | 21.45                       | 0.73              | 42.01           |
| 1.499                                                          | 14.72      | 5.02                | 0.69           | 4.47           | 20.92                       | 0.64              | 42.02           |
| 1.555                                                          | 14.72      | 5.02                | 0.69           | 4.48           | 19.43                       | 0.79              | 42.01           |
| 1.6                                                            | 14.72      | 5.02                | 0.72           | 4.48           | 18.85                       | 0.73              | 42.01           |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 1.628 | 14.72 | 5.02 | 0.72 | 4.5  | 20.27 | 0.77 | 42.01 |
| 1.651 | 14.72 | 5.02 | 0.57 | 4.49 | 21.18 | 0.74 | 42.01 |
| 1.693 | 14.72 | 5.02 | 0.69 | 4.5  | 20.5  | 0.76 | 42.02 |
| 1.763 | 14.72 | 5.02 | 0.57 | 4.5  | 19.43 | 0.78 | 42.02 |
| 1.842 | 14.72 | 5.02 | 0.69 | 4.5  | 18.62 | 0.73 | 42.02 |
| 1.9   | 14.72 | 5.02 | 0.65 | 4.5  | 19.52 | 0.82 | 42.02 |
| 1.908 | 14.73 | 5.02 | 1.11 | 4.49 | 20.48 | 0.82 | 42.01 |
| 1.946 | 14.73 | 5.02 | 0.72 | 4.5  | 19.63 | 0.75 | 42.01 |
| 2.016 | 14.73 | 5.02 | 0.61 | 4.5  | 18.96 | 0.74 | 42.01 |
| 2.072 | 14.73 | 5.02 | 0.57 | 4.5  | 19.06 | 0.75 | 42.02 |
| 2.091 | 14.73 | 5.02 | 1.22 | 4.5  | 20.87 | 0.8  | 42.01 |
| 2.105 | 14.73 | 5.02 | 0.99 | 4.5  | 20.85 | 0.76 | 42.01 |
| 2.166 | 14.73 | 5.02 | 0.76 | 4.51 | 20.1  | 0.76 | 42.02 |
| 2.248 | 14.73 | 5.02 | 0.5  | 4.52 | 19.27 | 0.8  | 42.02 |
| 2.287 | 14.73 | 5.02 | 0.5  | 4.51 | 19.17 | 0.8  | 42.02 |
| 2.289 | 14.73 | 5.02 | 1.07 | 4.51 | 19.41 | 0.8  | 42.02 |
| 2.29  | 14.73 | 5.02 | 0.92 | 4.51 | 19.33 | 0.78 | 42.02 |



### 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>        | 14.53         | 4.98                   | 0.0               | 5.58              | 22.96                          | 0.11                              | 41.83              |
| <b>PROF (metros)</b> | 2.177         | 0.54                   | 0.567             | 1.494             | 5.497                          | 0.709                             | 0.54               |
| <b>MÁXIMO</b>        | 14.56         | 14.56                  | 0.65              | 6.79              | 280.2                          | 1.17                              | 41.85              |
| <b>PROF (metros)</b> | 3.466         | 0.54                   | 0.709             | 5.497             | 0.575                          | 1.301                             | 3.129              |

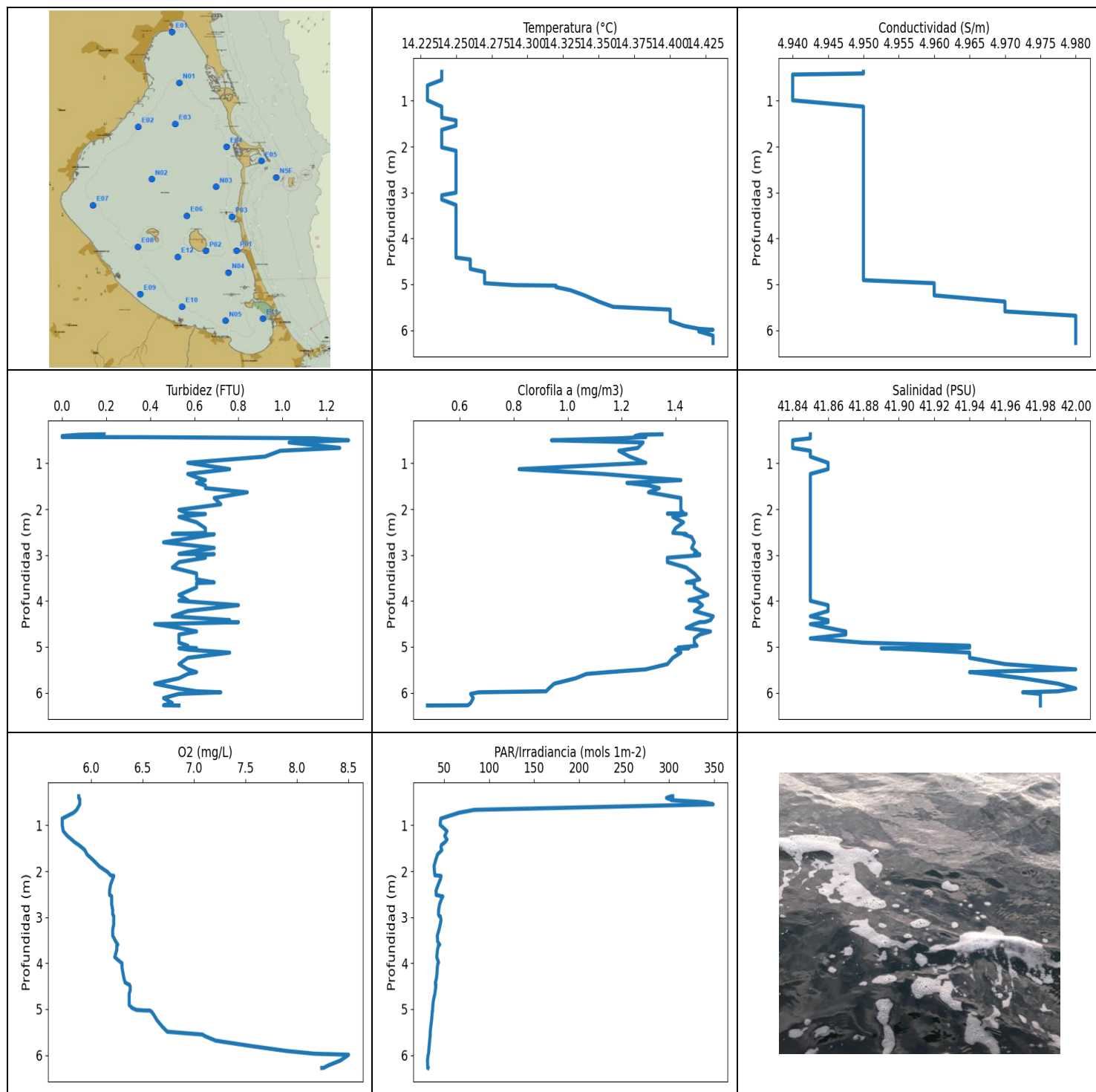
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N01 - Punto 002                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.54      | 4.98                | 0.28           | 5.65           | 187.51                      | 0.84              | 41.83           |
| 1 - 2m                                                     | 14.54      | 4.98                | 0.52           | 5.71           | 40.68                       | 1.07              | 41.83           |
| 2 - 3m                                                     | 14.53      | 4.98                | 0.51           | 6.32           | 33.8                        | 1.03              | 41.84           |
| 3 - 4m                                                     | 14.55      | 4.98                | 0.5            | 6.18           | 29.49                       | 1.09              | 41.84           |
| 4 - 5m                                                     | 14.55      | 4.98                | 0.46           | 6.35           | 26.22                       | 1.04              | 41.84           |
| 5 - 6m                                                     | 14.55      | 4.98                | 0.42           | 6.57           | 23.77                       | 1.08              | 41.84           |

| 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) |
| 0.54                                                           | 14.55      | 4.98                | 0.11           | 5.64           | 273.65                      | 0.99              | 41.83           |
| 0.541                                                          | 14.55      | 4.98                | 0.08           | 5.66           | 277.74                      | 1.04              | 41.83           |
| 0.544                                                          | 14.54      | 4.98                | 0.08           | 5.66           | 276.14                      | 0.97              | 41.83           |
| 0.562                                                          | 14.54      | 4.98                | 0.04           | 5.66           | 273.65                      | 1.01              | 41.84           |
| 0.567                                                          | 14.54      | 4.98                | 0.0            | 5.68           | 277.87                      | 0.98              | 41.84           |
| 0.575                                                          | 14.54      | 4.98                | 0.15           | 5.68           | 280.2                       | 1.09              | 41.84           |
| 0.576                                                          | 14.54      | 4.98                | 0.15           | 5.67           | 279.74                      | 0.94              | 41.84           |
| 0.592                                                          | 14.55      | 4.98                | 0.08           | 5.68           | 278.0                       | 0.85              | 41.84           |
| 0.607                                                          | 14.55      | 4.98                | 0.0            | 5.69           | 276.07                      | 0.81              | 41.84           |
| 0.612                                                          | 14.54      | 4.98                | 0.04           | 5.69           | 278.26                      | 1.0               | 41.83           |
| 0.614                                                          | 14.54      | 4.98                | 0.46           | 5.67           | 269.69                      | 1.03              | 41.83           |
| 0.655                                                          | 14.54      | 4.98                | 0.57           | 5.64           | 71.1                        | 0.17              | 41.83           |
| 0.709                                                          | 14.54      | 4.98                | 0.65           | 5.62           | 57.08                       | 0.11              | 41.83           |
| 0.794                                                          | 14.54      | 4.98                | 0.23           | 5.62           | 44.51                       | 0.45              | 41.83           |
| 0.891                                                          | 14.54      | 4.98                | 0.57           | 5.62           | 53.99                       | 1.0               | 41.83           |
| 0.96                                                           | 14.54      | 4.98                | 0.46           | 5.61           | 53.94                       | 0.96              | 41.83           |
| 0.995                                                          | 14.54      | 4.98                | 0.53           | 5.61           | 44.9                        | 0.99              | 41.84           |
| 1.02                                                           | 14.54      | 4.98                | 0.57           | 5.61           | 47.43                       | 1.13              | 41.84           |
| 1.069                                                          | 14.54      | 4.98                | 0.46           | 5.61           | 44.47                       | 1.03              | 41.83           |
| 1.143                                                          | 14.54      | 4.98                | 0.5            | 5.62           | 41.6                        | 1.14              | 41.83           |
| 1.23                                                           | 14.54      | 4.98                | 0.53           | 5.63           | 40.18                       | 1.1               | 41.83           |
| 1.301                                                          | 14.54      | 4.98                | 0.5            | 5.62           | 39.53                       | 1.17              | 41.83           |
| 1.36                                                           | 14.54      | 4.98                | 0.42           | 5.61           | 43.26                       | 1.05              | 41.83           |
| 1.405                                                          | 14.54      | 4.98                | 0.57           | 5.6            | 38.61                       | 1.13              | 41.83           |
| 1.445                                                          | 14.54      | 4.98                | 0.5            | 5.59           | 35.24                       | 1.11              | 41.83           |
| 1.494                                                          | 14.54      | 4.98                | 0.57           | 5.58           | 38.95                       | 1.05              | 41.83           |
| 1.549                                                          | 14.54      | 4.98                | 0.53           | 5.58           | 44.06                       | 1.12              | 41.83           |
| 1.592                                                          | 14.54      | 4.98                | 0.46           | 5.58           | 45.46                       | 1.03              | 41.83           |
| 1.626                                                          | 14.54      | 4.98                | 0.57           | 5.61           | 43.92                       | 0.96              | 41.84           |
| 1.666                                                          | 14.54      | 4.98                | 0.5            | 5.65           | 38.21                       | 0.97              | 41.84           |
| 1.742                                                          | 14.54      | 4.98                | 0.57           | 5.71           | 35.07                       | 1.04              | 41.84           |
| 1.842                                                          | 14.54      | 4.98                | 0.5            | 5.8            | 35.77                       | 1.0               | 41.83           |
| 1.921                                                          | 14.54      | 4.98                | 0.5            | 5.93           | 39.34                       | 1.03              | 41.83           |
| 1.963                                                          | 14.54      | 4.98                | 0.57           | 6.17           | 41.34                       | 1.07              | 41.83           |
| 1.977                                                          | 14.54      | 4.98                | 0.53           | 6.33           | 39.89                       | 1.15              | 41.83           |
| 2.004                                                          | 14.54      | 4.98                | 0.5            | 6.43           | 37.45                       | 1.03              | 41.83           |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 2.074 | 14.54 | 4.98 | 0.57 | 6.48 | 36.47 | 1.07 | 41.83 |
| 2.177 | 14.53 | 4.98 | 0.57 | 6.51 | 35.72 | 1.02 | 41.84 |
| 2.267 | 14.53 | 4.98 | 0.61 | 6.5  | 35.03 | 1.01 | 41.84 |
| 2.317 | 14.53 | 4.98 | 0.57 | 6.47 | 34.8  | 1.02 | 41.84 |
| 2.341 | 14.54 | 4.98 | 0.46 | 6.41 | 35.04 | 0.97 | 41.84 |
| 2.358 | 14.53 | 4.98 | 0.38 | 6.34 | 35.07 | 0.97 | 41.84 |
| 2.408 | 14.53 | 4.98 | 0.53 | 6.3  | 34.66 | 1.1  | 41.84 |
| 2.492 | 14.53 | 4.98 | 0.5  | 6.29 | 35.18 | 1.07 | 41.84 |
| 2.562 | 14.53 | 4.98 | 0.46 | 6.28 | 34.12 | 0.75 | 41.84 |
| 2.596 | 14.53 | 4.98 | 0.5  | 6.28 | 33.1  | 1.0  | 41.84 |
| 2.61  | 14.54 | 4.98 | 0.46 | 6.31 | 32.53 | 1.05 | 41.84 |
| 2.632 | 14.53 | 4.98 | 0.53 | 6.27 | 32.2  | 1.07 | 41.84 |
| 2.7   | 14.53 | 4.98 | 0.57 | 6.26 | 31.88 | 1.04 | 41.84 |
| 2.788 | 14.53 | 4.98 | 0.46 | 6.24 | 31.94 | 1.06 | 41.84 |
| 2.853 | 14.53 | 4.98 | 0.53 | 6.22 | 32.08 | 1.11 | 41.84 |
| 2.88  | 14.53 | 4.98 | 0.42 | 6.21 | 31.96 | 1.04 | 41.84 |
| 2.891 | 14.54 | 4.98 | 0.5  | 6.19 | 31.57 | 1.07 | 41.84 |
| 2.932 | 14.54 | 4.98 | 0.5  | 6.17 | 31.49 | 1.05 | 41.84 |
| 3.009 | 14.54 | 4.98 | 0.57 | 6.16 | 30.75 | 1.12 | 41.84 |
| 3.085 | 14.54 | 4.98 | 0.5  | 6.17 | 30.26 | 1.07 | 41.84 |
| 3.129 | 14.54 | 4.98 | 0.46 | 6.16 | 31.18 | 1.1  | 41.85 |
| 3.157 | 14.55 | 4.98 | 0.57 | 6.16 | 31.94 | 1.13 | 41.85 |
| 3.19  | 14.55 | 4.98 | 0.53 | 6.16 | 31.14 | 1.09 | 41.84 |
| 3.231 | 14.55 | 4.98 | 0.3  | 6.16 | 30.2  | 1.08 | 41.84 |
| 3.271 | 14.55 | 4.98 | 0.46 | 6.16 | 29.65 | 1.07 | 41.84 |
| 3.317 | 14.55 | 4.98 | 0.5  | 6.16 | 29.27 | 1.06 | 41.84 |
| 3.389 | 14.55 | 4.98 | 0.46 | 6.17 | 29.63 | 1.14 | 41.84 |
| 3.466 | 14.56 | 4.98 | 0.57 | 6.17 | 30.2  | 1.09 | 41.84 |
| 3.515 | 14.56 | 4.98 | 0.53 | 6.17 | 30.05 | 1.02 | 41.84 |
| 3.521 | 14.56 | 4.98 | 0.42 | 6.17 | 29.3  | 1.15 | 41.84 |
| 3.562 | 14.56 | 4.98 | 0.5  | 6.17 | 28.67 | 1.1  | 41.84 |
| 3.668 | 14.56 | 4.98 | 0.5  | 6.18 | 28.24 | 1.04 | 41.84 |
| 3.781 | 14.56 | 4.98 | 0.5  | 6.19 | 28.33 | 1.12 | 41.84 |
| 3.841 | 14.56 | 4.98 | 0.38 | 6.2  | 28.42 | 1.08 | 41.84 |
| 3.857 | 14.56 | 4.98 | 0.46 | 6.21 | 28.67 | 1.1  | 41.84 |
| 3.86  | 14.56 | 4.98 | 0.5  | 6.22 | 28.63 | 1.03 | 41.84 |
| 3.872 | 14.56 | 4.98 | 0.65 | 6.24 | 28.37 | 1.07 | 41.84 |
| 3.902 | 14.56 | 4.98 | 0.57 | 6.24 | 28.28 | 1.06 | 41.84 |
| 3.953 | 14.56 | 4.98 | 0.57 | 6.24 | 28.15 | 1.11 | 41.84 |
| 4.012 | 14.56 | 4.98 | 0.42 | 6.23 | 27.97 | 1.03 | 41.84 |
| 4.074 | 14.56 | 4.98 | 0.53 | 6.24 | 27.45 | 1.05 | 41.84 |
| 4.146 | 14.56 | 4.98 | 0.57 | 6.24 | 27.19 | 1.06 | 41.84 |
| 4.168 | 14.56 | 4.98 | 0.3  | 6.28 | 27.95 | 1.02 | 41.84 |
| 4.199 | 14.56 | 4.98 | 0.46 | 6.29 | 27.43 | 1.06 | 41.84 |
| 4.306 | 14.56 | 4.98 | 0.46 | 6.3  | 26.64 | 1.04 | 41.84 |
| 4.426 | 14.56 | 4.98 | 0.5  | 6.3  | 26.72 | 1.14 | 41.84 |
| 4.511 | 14.56 | 4.98 | 0.46 | 6.32 | 26.7  | 1.03 | 41.83 |
| 4.52  | 14.55 | 4.98 | 0.5  | 6.37 | 26.24 | 1.01 | 41.84 |
| 4.571 | 14.55 | 4.98 | 0.42 | 6.38 | 25.97 | 0.98 | 41.84 |
| 4.653 | 14.55 | 4.98 | 0.46 | 6.38 | 25.95 | 1.01 | 41.84 |
| 4.73  | 14.55 | 4.98 | 0.5  | 6.39 | 25.82 | 1.04 | 41.84 |
| 4.799 | 14.55 | 4.98 | 0.42 | 6.39 | 25.48 | 1.04 | 41.84 |
| 4.859 | 14.55 | 4.98 | 0.53 | 6.4  | 25.34 | 1.08 | 41.84 |
| 4.898 | 14.54 | 4.98 | 0.53 | 6.4  | 25.18 | 1.16 | 41.84 |
| 4.919 | 14.54 | 4.98 | 0.42 | 6.41 | 25.01 | 1.05 | 41.84 |
| 4.929 | 14.54 | 4.98 | 0.46 | 6.41 | 25.04 | 1.05 | 41.84 |
| 4.948 | 14.54 | 4.98 | 0.38 | 6.42 | 25.06 | 1.01 | 41.84 |
| 4.996 | 14.54 | 4.98 | 0.42 | 6.42 | 25.01 | 0.98 | 41.84 |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 5.063 | 14.55 | 4.98 | 0.38 | 6.43 | 24.66 | 1.1  | 41.84 |
| 5.123 | 14.55 | 4.98 | 0.5  | 6.44 | 24.58 | 1.0  | 41.84 |
| 5.154 | 14.55 | 4.98 | 0.5  | 6.46 | 24.53 | 1.08 | 41.84 |
| 5.177 | 14.55 | 4.98 | 0.3  | 6.49 | 24.15 | 1.07 | 41.84 |
| 5.226 | 14.55 | 4.98 | 0.3  | 6.5  | 23.67 | 1.11 | 41.84 |
| 5.304 | 14.55 | 4.98 | 0.5  | 6.52 | 23.55 | 1.08 | 41.84 |
| 5.361 | 14.55 | 4.98 | 0.42 | 6.61 | 23.72 | 1.16 | 41.84 |
| 5.378 | 14.55 | 4.98 | 0.38 | 6.63 | 23.41 | 1.1  | 41.84 |
| 5.448 | 14.55 | 4.98 | 0.46 | 6.67 | 23.08 | 1.08 | 41.84 |
| 5.488 | 14.55 | 4.98 | 0.46 | 6.73 | 23.1  | 1.07 | 41.85 |
| 5.497 | 14.55 | 4.98 | 0.42 | 6.79 | 22.96 | 1.04 | 41.84 |



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

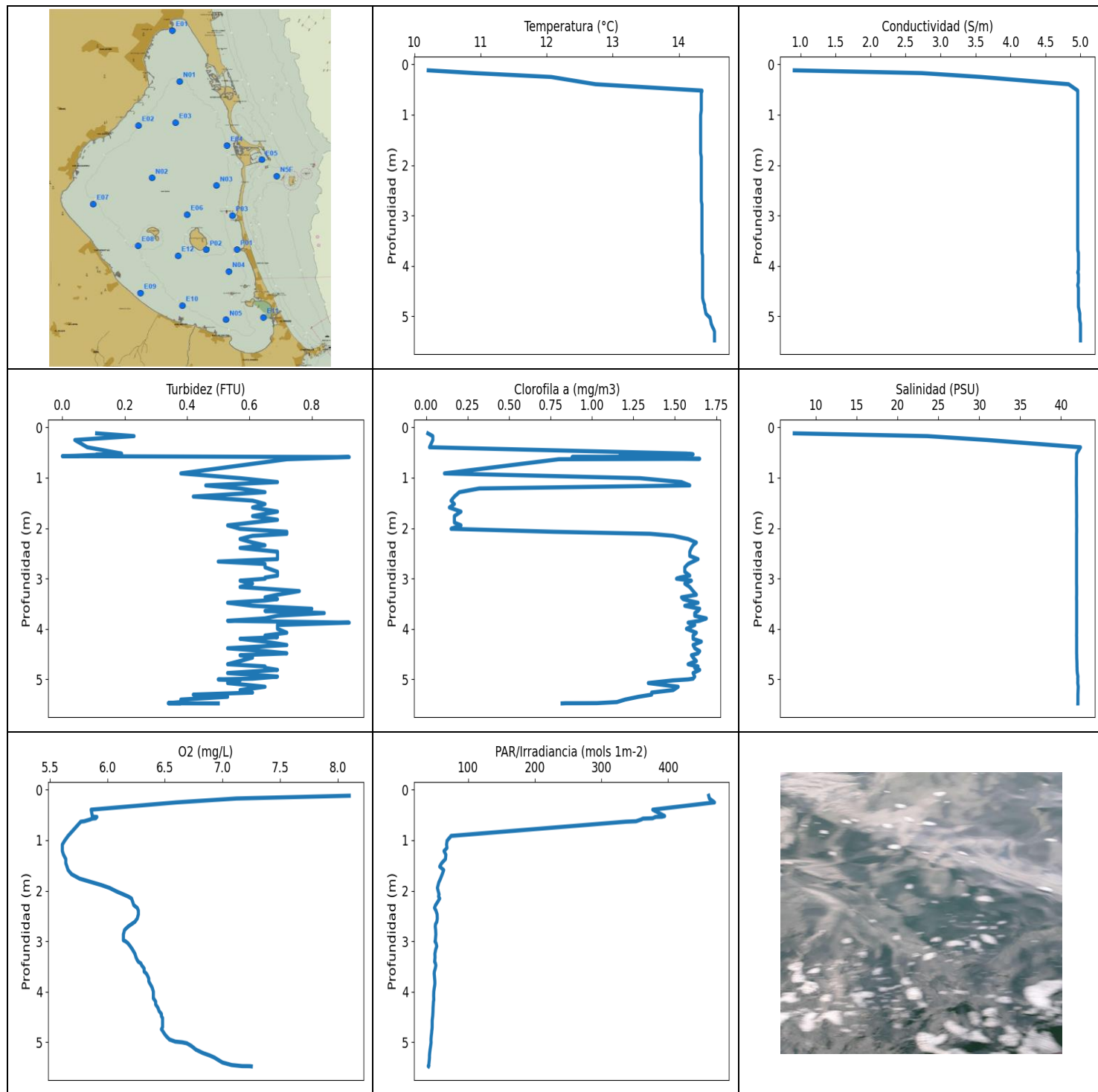
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 14.23         | 4.94                   | 0.0               | 5.72              | 31.46                          | 0.48                              | 41.84              |
| <b>PROF (metros)</b> | 0.666         | 0.429                  | 0.406             | 0.855             | 6.116                          | 6.278                             | 0.499              |
| <b>MÁXIMO</b>        | 14.43         | 14.43                  | 1.3               | 8.5               | 349.13                         | 1.54                              | 42.0               |
| <b>PROF (metros)</b> | 5.99          | 5.684                  | 0.499             | 5.99              | 0.546                          | 4.334                             | 5.49               |

| 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                                                     | 14.24      | 4.94                | 0.79           | 5.85           | 214.0                       | 1.23              | 41.85           |
| 1 - 2m                                                     | 14.24      | 4.95                | 0.68           | 5.89           | 47.1                        | 1.27              | 41.85           |
| 2 - 3m                                                     | 14.25      | 4.95                | 0.6            | 6.2            | 44.24                       | 1.44              | 41.85           |
| 3 - 4m                                                     | 14.25      | 4.95                | 0.59           | 6.24           | 43.99                       | 1.46              | 41.85           |
| 4 - 5m                                                     | 14.26      | 4.95                | 0.61           | 6.35           | 39.96                       | 1.49              | 41.87           |
| 5 - 6m                                                     | 14.37      | 4.97                | 0.58           | 7.09           | 34.95                       | 1.19              | 41.95           |
| 6 - 7m                                                     | 14.43      | 4.98                | 0.5            | 8.34           | 31.79                       | 0.61              | 41.98           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.369                                                          | 14.24      | 4.95                | 0.19           | 5.88           | 304.09                      | 1.35              | 41.85           |
| 0.378                                                          | 14.24      | 4.95                | 0.08           | 5.88           | 301.07                      | 1.27              | 41.85           |
| 0.406                                                          | 14.24      | 4.95                | 0.0            | 5.88           | 297.19                      | 1.25              | 41.85           |
| 0.429                                                          | 14.24      | 4.94                | 0.0            | 5.89           | 300.51                      | 1.29              | 41.85           |
| 0.432                                                          | 14.24      | 4.94                | 0.38           | 5.89           | 301.98                      | 1.27              | 41.85           |
| 0.455                                                          | 14.24      | 4.94                | 1.14           | 5.89           | 302.47                      | 1.2               | 41.85           |
| 0.499                                                          | 14.24      | 4.94                | 1.3            | 5.89           | 339.4                       | 0.94              | 41.84           |
| 0.546                                                          | 14.24      | 4.94                | 1.03           | 5.89           | 349.13                      | 1.28              | 41.84           |
| 0.666                                                          | 14.23      | 4.94                | 1.26           | 5.86           | 83.49                       | 1.26              | 41.84           |
| 0.728                                                          | 14.23      | 4.94                | 0.99           | 5.83           | 66.66                       | 1.19              | 41.85           |
| 0.855                                                          | 14.23      | 4.94                | 0.92           | 5.72           | 46.24                       | 1.23              | 41.85           |
| 0.99                                                           | 14.23      | 4.94                | 0.57           | 5.72           | 45.49                       | 1.29              | 41.86           |
| 1.128                                                          | 14.24      | 4.95                | 0.76           | 5.73           | 53.18                       | 0.82              | 41.86           |
| 1.233                                                          | 14.24      | 4.95                | 0.57           | 5.77           | 50.7                        | 1.13              | 41.85           |
| 1.309                                                          | 14.24      | 4.95                | 0.61           | 5.81           | 53.19                       | 1.29              | 41.85           |
| 1.368                                                          | 14.24      | 4.95                | 0.65           | 5.84           | 51.03                       | 1.42              | 41.85           |
| 1.428                                                          | 14.25      | 4.95                | 0.61           | 5.88           | 46.96                       | 1.22              | 41.85           |
| 1.483                                                          | 14.25      | 4.95                | 0.65           | 5.91           | 46.42                       | 1.3               | 41.85           |
| 1.542                                                          | 14.25      | 4.95                | 0.65           | 5.94           | 47.43                       | 1.34              | 41.85           |
| 1.633                                                          | 14.24      | 4.95                | 0.84           | 5.96           | 42.72                       | 1.3               | 41.85           |
| 1.757                                                          | 14.24      | 4.95                | 0.69           | 6.02           | 40.59                       | 1.42              | 41.85           |
| 1.894                                                          | 14.24      | 4.95                | 0.72           | 6.08           | 38.76                       | 1.42              | 41.85           |
| 2.016                                                          | 14.24      | 4.95                | 0.53           | 6.16           | 39.3                        | 1.42              | 41.85           |
| 2.089                                                          | 14.25      | 4.95                | 0.57           | 6.19           | 39.74                       | 1.43              | 41.85           |
| 2.099                                                          | 14.25      | 4.95                | 0.61           | 6.22           | 45.51                       | 1.37              | 41.85           |
| 2.105                                                          | 14.25      | 4.95                | 0.65           | 6.22           | 46.59                       | 1.44              | 41.85           |
| 2.169                                                          | 14.25      | 4.95                | 0.53           | 6.21           | 45.91                       | 1.39              | 41.85           |
| 2.286                                                          | 14.25      | 4.95                | 0.61           | 6.19           | 43.49                       | 1.43              | 41.85           |
| 2.416                                                          | 14.25      | 4.95                | 0.65           | 6.18           | 41.06                       | 1.4               | 41.85           |
| 2.516                                                          | 14.25      | 4.95                | 0.65           | 6.18           | 41.18                       | 1.39              | 41.85           |
| 2.541                                                          | 14.25      | 4.95                | 0.5            | 6.2            | 46.66                       | 1.44              | 41.85           |
| 2.547                                                          | 14.25      | 4.95                | 0.69           | 6.2            | 48.58                       | 1.43              | 41.85           |
| 2.609                                                          | 14.25      | 4.95                | 0.61           | 6.2            | 47.01                       | 1.46              | 41.85           |
| 2.722                                                          | 14.25      | 4.95                | 0.46           | 6.2            | 44.88                       | 1.47              | 41.85           |
| 2.844                                                          | 14.25      | 4.95                | 0.69           | 6.21           | 43.88                       | 1.46              | 41.85           |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 2.938 | 14.25 | 4.95 | 0.57 | 6.21 | 43.72 | 1.48 | 41.85 |
| 2.975 | 14.25 | 4.95 | 0.53 | 6.22 | 44.53 | 1.47 | 41.85 |
| 2.98  | 14.25 | 4.95 | 0.69 | 6.22 | 45.76 | 1.49 | 41.85 |
| 3.003 | 14.25 | 4.95 | 0.61 | 6.22 | 45.93 | 1.49 | 41.85 |
| 3.059 | 14.24 | 4.95 | 0.65 | 6.22 | 46.56 | 1.37 | 41.85 |
| 3.153 | 14.24 | 4.95 | 0.53 | 6.22 | 45.68 | 1.37 | 41.85 |
| 3.271 | 14.25 | 4.95 | 0.5  | 6.21 | 44.3  | 1.44 | 41.85 |
| 3.401 | 14.25 | 4.95 | 0.61 | 6.21 | 42.39 | 1.47 | 41.85 |
| 3.53  | 14.25 | 4.95 | 0.61 | 6.24 | 42.75 | 1.49 | 41.85 |
| 3.596 | 14.25 | 4.95 | 0.69 | 6.26 | 45.1  | 1.44 | 41.85 |
| 3.61  | 14.25 | 4.95 | 0.61 | 6.25 | 43.81 | 1.47 | 41.85 |
| 3.705 | 14.25 | 4.95 | 0.61 | 6.25 | 42.63 | 1.47 | 41.85 |
| 3.868 | 14.25 | 4.95 | 0.53 | 6.23 | 41.75 | 1.52 | 41.85 |
| 3.985 | 14.25 | 4.95 | 0.57 | 6.29 | 43.8  | 1.45 | 41.85 |
| 3.997 | 14.25 | 4.95 | 0.53 | 6.3  | 43.15 | 1.48 | 41.85 |
| 4.092 | 14.25 | 4.95 | 0.8  | 6.3  | 42.38 | 1.5  | 41.86 |
| 4.219 | 14.25 | 4.95 | 0.57 | 6.31 | 42.1  | 1.47 | 41.86 |
| 4.334 | 14.25 | 4.95 | 0.5  | 6.32 | 41.42 | 1.54 | 41.85 |
| 4.417 | 14.25 | 4.95 | 0.76 | 6.33 | 40.29 | 1.53 | 41.86 |
| 4.458 | 14.26 | 4.95 | 0.72 | 6.36 | 40.26 | 1.51 | 41.86 |
| 4.462 | 14.26 | 4.95 | 0.8  | 6.37 | 40.83 | 1.49 | 41.86 |
| 4.505 | 14.26 | 4.95 | 0.42 | 6.38 | 40.73 | 1.47 | 41.85 |
| 4.586 | 14.26 | 4.95 | 0.53 | 6.38 | 40.21 | 1.44 | 41.86 |
| 4.664 | 14.26 | 4.95 | 0.61 | 6.37 | 39.67 | 1.53 | 41.87 |
| 4.732 | 14.27 | 4.95 | 0.53 | 6.37 | 38.93 | 1.49 | 41.87 |
| 4.816 | 14.27 | 4.95 | 0.53 | 6.37 | 38.01 | 1.47 | 41.85 |
| 4.909 | 14.27 | 4.95 | 0.53 | 6.37 | 37.49 | 1.47 | 41.88 |
| 4.975 | 14.27 | 4.96 | 0.57 | 6.4  | 37.2  | 1.48 | 41.94 |
| 5.016 | 14.29 | 4.96 | 0.57 | 6.44 | 37.11 | 1.41 | 41.94 |
| 5.028 | 14.32 | 4.96 | 0.61 | 6.52 | 36.99 | 1.45 | 41.91 |
| 5.029 | 14.32 | 4.96 | 0.53 | 6.57 | 37.16 | 1.44 | 41.89 |
| 5.06  | 14.32 | 4.96 | 0.57 | 6.59 | 36.84 | 1.4  | 41.91 |
| 5.126 | 14.33 | 4.96 | 0.76 | 6.61 | 36.52 | 1.42 | 41.94 |
| 5.24  | 14.34 | 4.96 | 0.57 | 6.64 | 36.04 | 1.39 | 41.94 |
| 5.376 | 14.35 | 4.97 | 0.53 | 6.69 | 35.15 | 1.37 | 41.96 |
| 5.49  | 14.36 | 4.97 | 0.57 | 6.74 | 34.56 | 1.29 | 42.0  |
| 5.551 | 14.4  | 4.97 | 0.61 | 7.08 | 34.53 | 1.15 | 41.94 |
| 5.59  | 14.4  | 4.97 | 0.57 | 7.11 | 34.41 | 1.07 | 41.95 |
| 5.684 | 14.4  | 4.98 | 0.53 | 7.21 | 33.9  | 1.03 | 41.97 |
| 5.803 | 14.4  | 4.98 | 0.42 | 7.56 | 33.36 | 0.95 | 41.99 |
| 5.909 | 14.41 | 4.98 | 0.53 | 7.9  | 32.87 | 0.93 | 42.0  |
| 5.968 | 14.42 | 4.98 | 0.61 | 8.17 | 32.61 | 0.92 | 41.99 |
| 5.99  | 14.43 | 4.98 | 0.72 | 8.5  | 32.23 | 0.67 | 41.97 |
| 6.025 | 14.42 | 4.98 | 0.53 | 8.48 | 31.98 | 0.64 | 41.98 |
| 6.116 | 14.43 | 4.98 | 0.46 | 8.42 | 31.46 | 0.65 | 41.98 |
| 6.226 | 14.43 | 4.98 | 0.5  | 8.3  | 31.69 | 0.64 | 41.98 |
| 6.274 | 14.43 | 4.98 | 0.46 | 8.26 | 31.77 | 0.63 | 41.98 |
| 6.278 | 14.43 | 4.98 | 0.53 | 8.24 | 32.02 | 0.48 | 41.98 |


**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>        | 10.21         | 0.91                   | 0.0               | 5.61              | 40.04                          | 0.01                 | 7.33               |
| <b>PROF (metros)</b> | 0.12          | 0.12                   | 0.573             | 1.087             | 5.473                          | 0.12                 | 0.12               |
| <b>MÁXIMO</b>        | 14.54         | 14.54                  | 0.92              | 8.1               | 469.93                         | 1.69                 | 42.39              |
| <b>PROF (metros)</b> | 5.303         | 5.147                  | 0.591             | 0.12              | 0.252                          | 3.791                | 0.396              |

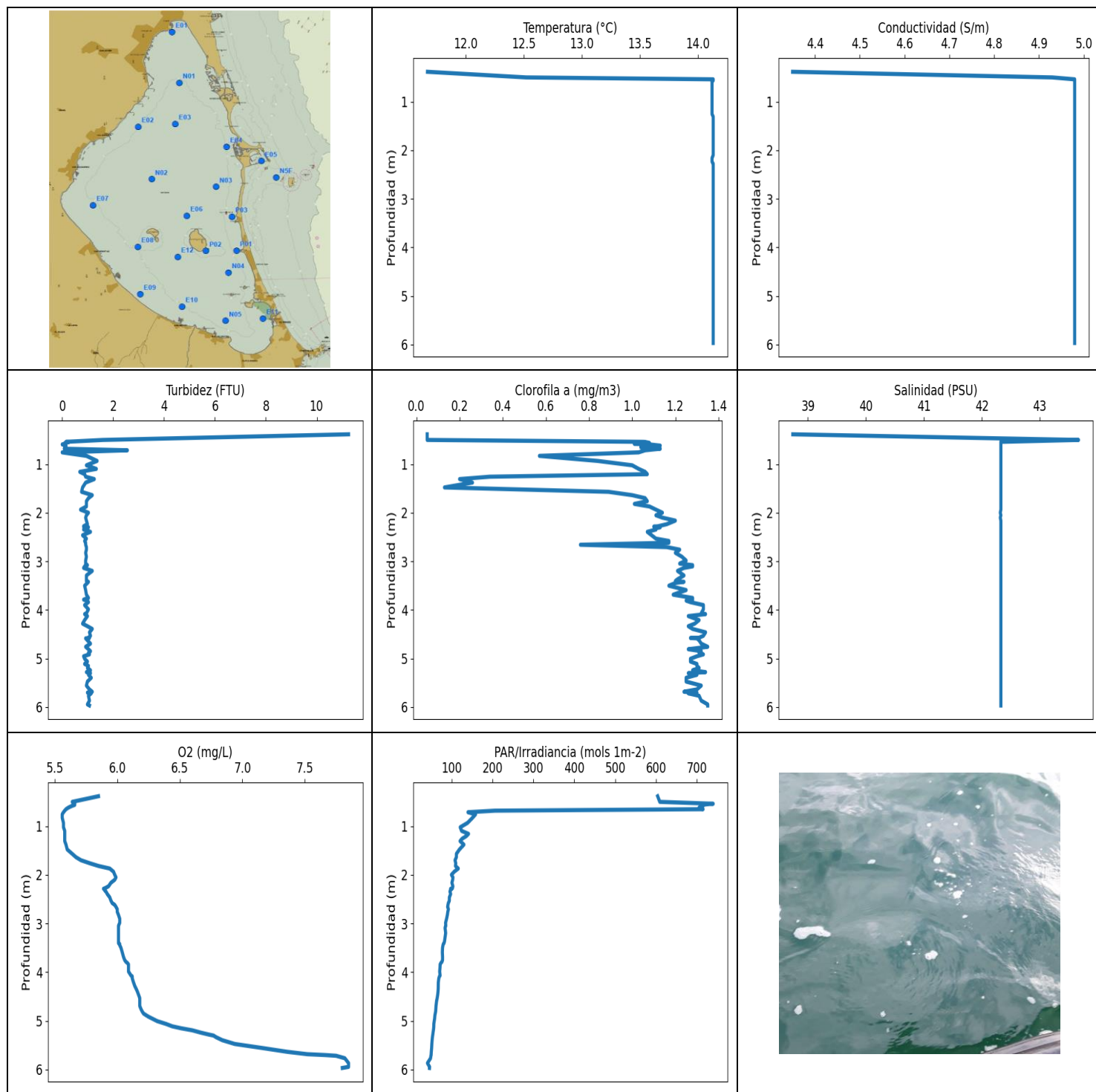
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E02 - Punto 004                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.46      | 4.36                | 0.3            | 6.17           | 370.58                      | 0.82              | 37.03           |
| 1 - 2m                                                     | 14.33      | 4.96                | 0.6            | 5.71           | 61.78                       | 0.47              | 41.91           |
| 2 - 3m                                                     | 14.34      | 4.96                | 0.64           | 6.2            | 52.72                       | 1.44              | 41.91           |
| 3 - 4m                                                     | 14.35      | 4.96                | 0.67           | 6.3            | 50.15                       | 1.6               | 41.92           |
| 4 - 5m                                                     | 14.37      | 4.97                | 0.63           | 6.47           | 46.41                       | 1.62              | 41.95           |
| 5 - 6m                                                     | 14.52      | 5.0                 | 0.48           | 6.96           | 41.82                       | 1.25              | 42.07           |

| 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) |
| 0.12                                                           | 10.21      | 0.91                | 0.11           | 8.1            | 461.19                      | 0.01              | 7.33            |
| 0.175                                                          | 10.91      | 2.73                | 0.23           | 7.12           | 462.26                      | 0.04              | 23.62           |
| 0.252                                                          | 12.07      | 3.58                | 0.04           | 6.6            | 469.93                      | 0.04              | 30.91           |
| 0.396                                                          | 12.74      | 4.83                | 0.08           | 5.86           | 377.23                      | 0.02              | 42.39           |
| 0.522                                                          | 14.35      | 4.96                | 0.19           | 5.87           | 395.04                      | 1.57              | 41.92           |
| 0.536                                                          | 14.35      | 4.96                | 0.15           | 5.88           | 390.94                      | 1.61              | 41.92           |
| 0.54                                                           | 14.34      | 4.96                | 0.11           | 5.91           | 380.84                      | 1.17              | 41.91           |
| 0.547                                                          | 14.34      | 4.96                | 0.11           | 5.9            | 380.22                      | 1.32              | 41.91           |
| 0.566                                                          | 14.34      | 4.96                | 0.04           | 5.9            | 376.88                      | 1.4               | 41.91           |
| 0.573                                                          | 14.34      | 4.96                | 0.0            | 5.87           | 362.41                      | 1.56              | 41.91           |
| 0.591                                                          | 14.34      | 4.96                | 0.92           | 5.85           | 359.73                      | 0.88              | 41.9            |
| 0.625                                                          | 14.34      | 4.96                | 0.76           | 5.8            | 352.14                      | 1.65              | 41.89           |
| 0.634                                                          | 14.34      | 4.96                | 0.72           | 5.77           | 336.66                      | 0.8               | 41.89           |
| 0.915                                                          | 14.34      | 4.96                | 0.38           | 5.66           | 74.44                       | 0.11              | 41.9            |
| 1.01                                                           | 14.33      | 4.96                | 0.57           | 5.63           | 68.37                       | 1.29              | 41.89           |
| 1.087                                                          | 14.33      | 4.96                | 0.69           | 5.61           | 67.56                       | 1.54              | 41.89           |
| 1.153                                                          | 14.33      | 4.96                | 0.46           | 5.61           | 68.21                       | 1.59              | 41.89           |
| 1.214                                                          | 14.33      | 4.96                | 0.57           | 5.61           | 63.73                       | 0.32              | 41.9            |
| 1.287                                                          | 14.33      | 4.96                | 0.65           | 5.62           | 66.49                       | 0.2               | 41.9            |
| 1.374                                                          | 14.33      | 4.96                | 0.42           | 5.64           | 65.85                       | 0.17              | 41.91           |
| 1.455                                                          | 14.33      | 4.96                | 0.61           | 5.64           | 60.13                       | 0.15              | 41.91           |
| 1.522                                                          | 14.33      | 4.96                | 0.65           | 5.65           | 57.26                       | 0.17              | 41.91           |
| 1.591                                                          | 14.33      | 4.96                | 0.61           | 5.66           | 63.25                       | 0.14              | 41.91           |
| 1.673                                                          | 14.33      | 4.96                | 0.69           | 5.69           | 61.06                       | 0.21              | 41.91           |
| 1.761                                                          | 14.33      | 4.96                | 0.61           | 5.76           | 58.48                       | 0.17              | 41.92           |
| 1.835                                                          | 14.34      | 4.96                | 0.69           | 5.87           | 55.9                        | 0.17              | 41.91           |
| 1.889                                                          | 14.34      | 4.96                | 0.61           | 5.95           | 54.87                       | 0.17              | 41.91           |
| 1.945                                                          | 14.34      | 4.96                | 0.53           | 6.02           | 53.82                       | 0.21              | 41.91           |
| 2.014                                                          | 14.34      | 4.96                | 0.57           | 6.08           | 55.1                        | 0.15              | 41.92           |
| 2.073                                                          | 14.34      | 4.96                | 0.72           | 6.14           | 56.26                       | 0.77              | 41.92           |
| 2.113                                                          | 14.34      | 4.96                | 0.72           | 6.18           | 55.51                       | 1.35              | 41.91           |
| 2.153                                                          | 14.34      | 4.96                | 0.61           | 6.21           | 57.18                       | 1.49              | 41.91           |
| 2.216                                                          | 14.34      | 4.96                | 0.57           | 6.22           | 54.46                       | 1.58              | 41.91           |
| 2.286                                                          | 14.34      | 4.96                | 0.61           | 6.23           | 51.02                       | 1.63              | 41.91           |
| 2.34                                                           | 14.34      | 4.96                | 0.65           | 6.26           | 49.44                       | 1.61              | 41.91           |
| 2.394                                                          | 14.34      | 4.96                | 0.57           | 6.27           | 51.64                       | 1.6               | 41.91           |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 2.468 | 14.34 | 4.96 | 0.69 | 6.27 | 53.38 | 1.59 | 41.91 |
| 2.551 | 14.34 | 4.96 | 0.69 | 6.26 | 53.62 | 1.59 | 41.91 |
| 2.615 | 14.34 | 4.96 | 0.69 | 6.24 | 52.9  | 1.64 | 41.91 |
| 2.663 | 14.34 | 4.96 | 0.5  | 6.21 | 50.96 | 1.61 | 41.91 |
| 2.711 | 14.34 | 4.96 | 0.65 | 6.18 | 50.56 | 1.58 | 41.91 |
| 2.778 | 14.35 | 4.96 | 0.65 | 6.15 | 51.15 | 1.56 | 41.91 |
| 2.866 | 14.35 | 4.96 | 0.69 | 6.14 | 51.45 | 1.56 | 41.91 |
| 2.942 | 14.35 | 4.96 | 0.69 | 6.14 | 50.94 | 1.59 | 41.91 |
| 2.981 | 14.35 | 4.96 | 0.65 | 6.14 | 50.69 | 1.53 | 41.91 |
| 3.004 | 14.35 | 4.96 | 0.65 | 6.16 | 50.18 | 1.51 | 41.91 |
| 3.042 | 14.35 | 4.96 | 0.57 | 6.18 | 51.85 | 1.6  | 41.91 |
| 3.101 | 14.35 | 4.96 | 0.61 | 6.2  | 52.8  | 1.56 | 41.91 |
| 3.168 | 14.35 | 4.96 | 0.57 | 6.22 | 51.15 | 1.59 | 41.92 |
| 3.249 | 14.35 | 4.96 | 0.76 | 6.24 | 50.02 | 1.61 | 41.92 |
| 3.322 | 14.35 | 4.96 | 0.69 | 6.25 | 50.24 | 1.63 | 41.92 |
| 3.373 | 14.35 | 4.96 | 0.65 | 6.26 | 49.87 | 1.54 | 41.91 |
| 3.407 | 14.35 | 4.96 | 0.69 | 6.27 | 49.63 | 1.55 | 41.91 |
| 3.436 | 14.35 | 4.96 | 0.65 | 6.29 | 50.79 | 1.58 | 41.92 |
| 3.48  | 14.35 | 4.96 | 0.53 | 6.3  | 51.49 | 1.64 | 41.92 |
| 3.541 | 14.35 | 4.96 | 0.61 | 6.32 | 50.54 | 1.56 | 41.92 |
| 3.6   | 14.35 | 4.96 | 0.8  | 6.32 | 49.29 | 1.65 | 41.92 |
| 3.643 | 14.35 | 4.96 | 0.65 | 6.34 | 49.0  | 1.64 | 41.92 |
| 3.685 | 14.35 | 4.96 | 0.84 | 6.35 | 49.28 | 1.62 | 41.92 |
| 3.738 | 14.35 | 4.97 | 0.69 | 6.36 | 49.6  | 1.62 | 41.92 |
| 3.791 | 14.36 | 4.97 | 0.65 | 6.36 | 49.95 | 1.69 | 41.92 |
| 3.838 | 14.36 | 4.97 | 0.53 | 6.37 | 49.99 | 1.65 | 41.92 |
| 3.875 | 14.36 | 4.97 | 0.92 | 6.38 | 49.74 | 1.58 | 41.92 |
| 3.921 | 14.36 | 4.97 | 0.69 | 6.39 | 49.17 | 1.62 | 41.92 |
| 3.997 | 14.36 | 4.97 | 0.69 | 6.4  | 48.38 | 1.57 | 41.92 |
| 4.075 | 14.36 | 4.97 | 0.72 | 6.4  | 48.16 | 1.63 | 41.92 |
| 4.131 | 14.36 | 4.96 | 0.65 | 6.4  | 48.28 | 1.61 | 41.91 |
| 4.162 | 14.36 | 4.97 | 0.69 | 6.41 | 48.36 | 1.61 | 41.92 |
| 4.195 | 14.36 | 4.97 | 0.57 | 6.42 | 47.83 | 1.61 | 41.92 |
| 4.251 | 14.36 | 4.97 | 0.65 | 6.42 | 47.6  | 1.66 | 41.92 |
| 4.319 | 14.36 | 4.97 | 0.72 | 6.44 | 47.25 | 1.61 | 41.92 |
| 4.383 | 14.36 | 4.96 | 0.53 | 6.45 | 47.16 | 1.62 | 41.92 |
| 4.44  | 14.36 | 4.97 | 0.65 | 6.47 | 46.92 | 1.65 | 41.92 |
| 4.484 | 14.36 | 4.97 | 0.72 | 6.47 | 46.71 | 1.64 | 41.92 |
| 4.521 | 14.36 | 4.97 | 0.57 | 6.48 | 46.38 | 1.6  | 41.93 |
| 4.568 | 14.36 | 4.97 | 0.61 | 6.48 | 45.99 | 1.61 | 41.93 |
| 4.636 | 14.36 | 4.97 | 0.57 | 6.48 | 45.95 | 1.63 | 41.95 |
| 4.7   | 14.37 | 4.97 | 0.53 | 6.48 | 45.92 | 1.58 | 41.96 |
| 4.743 | 14.38 | 4.97 | 0.65 | 6.47 | 45.69 | 1.64 | 41.96 |
| 4.773 | 14.39 | 4.97 | 0.65 | 6.48 | 45.36 | 1.62 | 41.97 |
| 4.812 | 14.39 | 4.97 | 0.69 | 6.49 | 45.17 | 1.65 | 41.97 |
| 4.875 | 14.4  | 4.98 | 0.53 | 6.51 | 44.59 | 1.61 | 42.0  |
| 4.945 | 14.41 | 4.99 | 0.69 | 6.54 | 44.16 | 1.62 | 42.07 |
| 4.987 | 14.44 | 4.99 | 0.61 | 6.59 | 44.22 | 1.61 | 42.05 |
| 5.001 | 14.45 | 4.99 | 0.5  | 6.65 | 44.31 | 1.58 | 42.06 |
| 5.02  | 14.47 | 4.99 | 0.57 | 6.69 | 44.14 | 1.49 | 42.06 |
| 5.073 | 14.48 | 4.99 | 0.53 | 6.73 | 43.61 | 1.34 | 42.05 |
| 5.147 | 14.49 | 5.0  | 0.65 | 6.77 | 42.79 | 1.52 | 42.11 |
| 5.213 | 14.51 | 5.0  | 0.57 | 6.83 | 42.21 | 1.49 | 42.09 |
| 5.262 | 14.53 | 5.0  | 0.61 | 6.89 | 41.9  | 1.36 | 42.08 |
| 5.303 | 14.54 | 5.0  | 0.42 | 6.93 | 41.9  | 1.36 | 42.07 |
| 5.346 | 14.54 | 5.0  | 0.53 | 6.96 | 41.65 | 1.28 | 42.07 |
| 5.401 | 14.54 | 5.0  | 0.38 | 7.0  | 41.2  | 1.2  | 42.07 |
| 5.451 | 14.54 | 5.0  | 0.38 | 7.08 | 40.82 | 1.15 | 42.07 |

|       |       |     |      |      |       |      |       |
|-------|-------|-----|------|------|-------|------|-------|
| 5.472 | 14.54 | 5.0 | 0.34 | 7.17 | 40.3  | 1.03 | 42.07 |
| 5.473 | 14.54 | 5.0 | 0.38 | 7.22 | 40.04 | 0.96 | 42.07 |
| 5.474 | 14.54 | 5.0 | 0.34 | 7.24 | 40.11 | 0.84 | 42.06 |
| 5.477 | 14.54 | 5.0 | 0.5  | 7.25 | 40.42 | 0.82 | 42.06 |



### 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>        | 11.67         | 4.35                   | 0.0               | 5.56              | 40.48                          | 0.05                              | 38.74              |
| <b>PROF (metros)</b> | 0.384         | 0.384                  | 0.592             | 0.756             | 5.868                          | 0.384                             | 0.384              |
| <b>MÁXIMO</b>        | 14.13         | 14.13                  | 11.25             | 7.85              | 740.33                         | 1.35                              | 43.67              |
| <b>PROF (metros)</b> | 0.539         | 0.539                  | 0.384             | 5.868             | 0.539                          | 4.759                             | 0.5                |

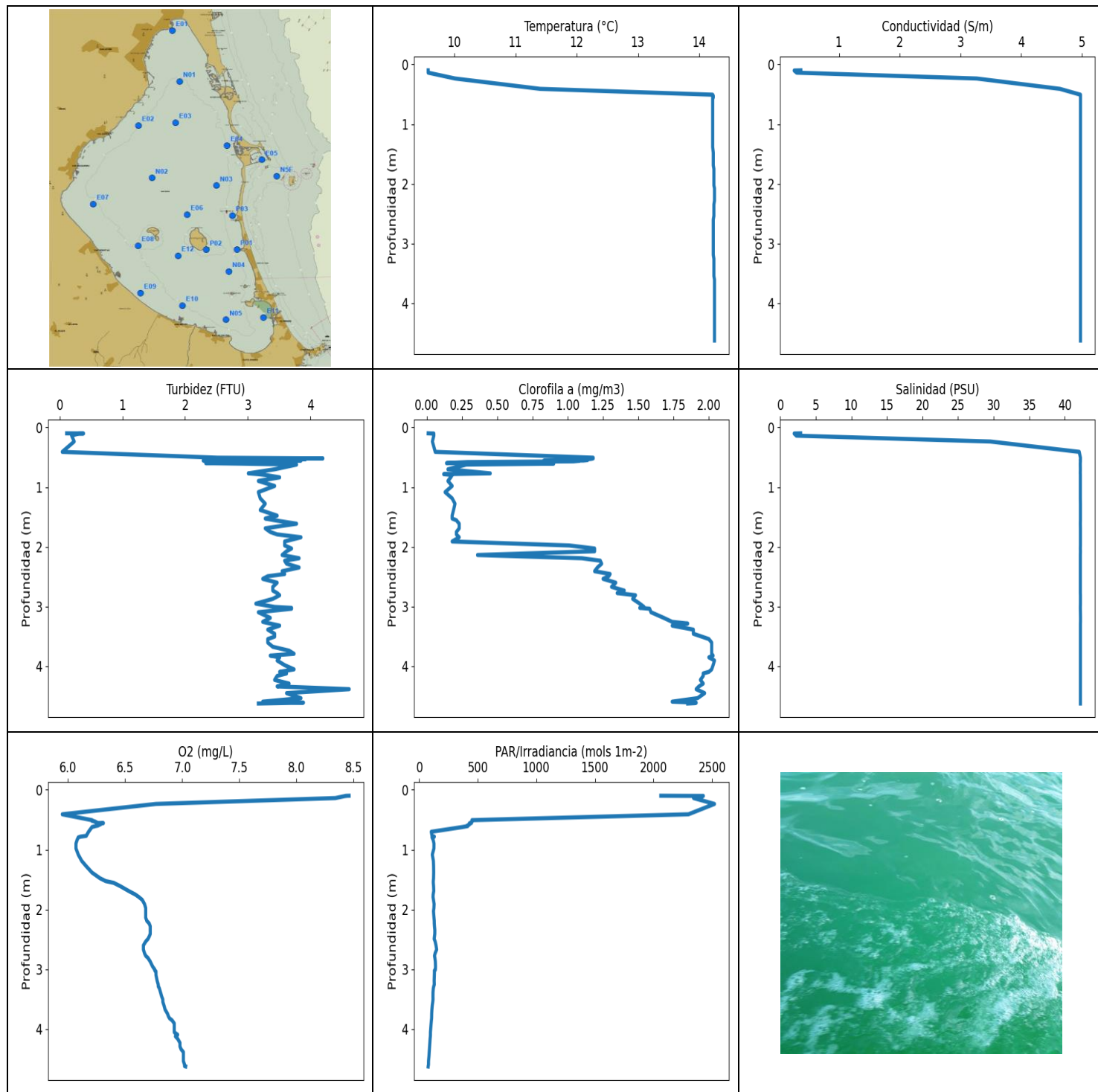
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N02 - Punto 005                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.79      | 4.92                | 1.56           | 5.63           | 514.25                      | 0.84              | 42.14           |
| 1 - 2m                                                     | 14.13      | 4.98                | 0.96           | 5.7            | 117.88                      | 0.84              | 42.33           |
| 2 - 3m                                                     | 14.13      | 4.98                | 0.93           | 5.96           | 94.94                       | 1.13              | 42.33           |
| 3 - 4m                                                     | 14.13      | 4.98                | 0.96           | 6.04           | 78.86                       | 1.25              | 42.33           |
| 4 - 5m                                                     | 14.13      | 4.98                | 1.0            | 6.18           | 63.79                       | 1.31              | 42.33           |
| 5 - 6m                                                     | 14.13      | 4.98                | 1.03           | 7.09           | 51.23                       | 1.29              | 42.33           |

| 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) |
| 0.384                                                          | 11.67      | 4.35                | 11.25          | 5.85           | 604.3                       | 0.05              | 38.74           |
| 0.5                                                            | 12.52      | 4.93                | 1.6            | 5.64           | 609.5                       | 0.05              | 43.67           |
| 0.539                                                          | 14.13      | 4.98                | 0.15           | 5.66           | 740.33                      | 1.05              | 42.33           |
| 0.541                                                          | 14.13      | 4.98                | 0.27           | 5.66           | 730.79                      | 1.06              | 42.33           |
| 0.562                                                          | 14.13      | 4.98                | 0.11           | 5.66           | 715.04                      | 1.08              | 42.33           |
| 0.581                                                          | 14.12      | 4.98                | 0.08           | 5.64           | 715.04                      | 1.01              | 42.33           |
| 0.592                                                          | 14.12      | 4.98                | 0.0            | 5.63           | 713.71                      | 1.08              | 42.33           |
| 0.617                                                          | 14.12      | 4.98                | 0.15           | 5.61           | 705.82                      | 1.13              | 42.33           |
| 0.651                                                          | 14.12      | 4.98                | 0.11           | 5.59           | 715.53                      | 1.04              | 42.33           |
| 0.681                                                          | 14.12      | 4.98                | 0.08           | 5.58           | 205.63                      | 1.13              | 42.33           |
| 0.713                                                          | 14.12      | 4.98                | 2.56           | 5.57           | 139.7                       | 1.06              | 42.33           |
| 0.756                                                          | 14.12      | 4.98                | 0.0            | 5.56           | 158.32                      | 1.03              | 42.33           |
| 0.828                                                          | 14.12      | 4.98                | 0.95           | 5.56           | 150.73                      | 0.57              | 42.33           |
| 0.932                                                          | 14.12      | 4.98                | 1.37           | 5.57           | 138.63                      | 0.84              | 42.33           |
| 1.022                                                          | 14.12      | 4.98                | 0.95           | 5.57           | 120.66                      | 1.0               | 42.33           |
| 1.096                                                          | 14.12      | 4.98                | 1.34           | 5.58           | 124.07                      | 1.03              | 42.33           |
| 1.157                                                          | 14.12      | 4.98                | 0.69           | 5.58           | 141.1                       | 1.06              | 42.33           |
| 1.205                                                          | 14.12      | 4.98                | 0.88           | 5.58           | 135.39                      | 1.07              | 42.33           |
| 1.257                                                          | 14.12      | 4.98                | 0.92           | 5.58           | 125.34                      | 0.34              | 42.33           |
| 1.306                                                          | 14.13      | 4.98                | 1.26           | 5.58           | 120.35                      | 0.2               | 42.33           |
| 1.378                                                          | 14.13      | 4.98                | 0.92           | 5.59           | 129.77                      | 0.26              | 42.33           |
| 1.478                                                          | 14.13      | 4.98                | 0.8            | 5.6            | 118.78                      | 0.13              | 42.33           |
| 1.568                                                          | 14.13      | 4.98                | 0.76           | 5.64           | 111.36                      | 0.89              | 42.33           |
| 1.637                                                          | 14.13      | 4.98                | 1.18           | 5.67           | 111.34                      | 1.0               | 42.33           |
| 1.699                                                          | 14.13      | 4.98                | 1.03           | 5.71           | 108.01                      | 1.06              | 42.33           |
| 1.761                                                          | 14.13      | 4.98                | 0.95           | 5.78           | 109.83                      | 1.07              | 42.33           |
| 1.817                                                          | 14.13      | 4.98                | 0.95           | 5.85           | 109.01                      | 1.01              | 42.33           |
| 1.87                                                           | 14.13      | 4.98                | 0.95           | 5.94           | 115.97                      | 1.08              | 42.33           |
| 1.935                                                          | 14.13      | 4.98                | 0.72           | 5.97           | 106.0                       | 1.11              | 42.33           |
| 1.998                                                          | 14.13      | 4.98                | 1.03           | 5.98           | 99.18                       | 1.14              | 42.32           |
| 2.051                                                          | 14.13      | 4.98                | 0.95           | 5.99           | 102.9                       | 1.11              | 42.33           |
| 2.1                                                            | 14.13      | 4.98                | 0.92           | 5.98           | 102.24                      | 1.14              | 42.32           |
| 2.161                                                          | 14.12      | 4.98                | 0.95           | 5.95           | 100.33                      | 1.2               | 42.33           |
| 2.235                                                          | 14.12      | 4.98                | 0.99           | 5.93           | 102.73                      | 1.16              | 42.33           |
| 2.277                                                          | 14.13      | 4.98                | 0.84           | 5.9            | 101.57                      | 1.12              | 42.33           |
| 2.285                                                          | 14.13      | 4.98                | 0.84           | 5.89           | 97.22                       | 1.1               | 42.33           |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 2.298 | 14.13 | 4.98 | 1.03 | 5.9  | 98.67 | 1.13 | 42.33 |
| 2.319 | 14.13 | 4.98 | 0.99 | 5.9  | 96.41 | 1.11 | 42.33 |
| 2.345 | 14.13 | 4.98 | 0.84 | 5.91 | 95.59 | 1.11 | 42.33 |
| 2.392 | 14.13 | 4.98 | 1.11 | 5.92 | 97.26 | 1.07 | 42.33 |
| 2.462 | 14.13 | 4.98 | 0.8  | 5.94 | 94.14 | 1.09 | 42.33 |
| 2.532 | 14.13 | 4.98 | 0.95 | 5.95 | 94.03 | 1.11 | 42.33 |
| 2.58  | 14.13 | 4.98 | 0.88 | 5.96 | 91.6  | 1.17 | 42.33 |
| 2.617 | 14.13 | 4.98 | 0.92 | 5.98 | 90.67 | 1.17 | 42.33 |
| 2.658 | 14.13 | 4.98 | 0.92 | 5.99 | 89.87 | 0.76 | 42.33 |
| 2.706 | 14.13 | 4.98 | 0.95 | 6.0  | 91.79 | 1.16 | 42.33 |
| 2.759 | 14.13 | 4.98 | 0.95 | 6.0  | 90.31 | 1.22 | 42.33 |
| 2.824 | 14.13 | 4.98 | 0.92 | 6.01 | 89.21 | 1.2  | 42.33 |
| 2.903 | 14.13 | 4.98 | 0.95 | 6.02 | 87.27 | 1.23 | 42.33 |
| 2.984 | 14.13 | 4.98 | 0.92 | 6.02 | 84.89 | 1.25 | 42.33 |
| 3.046 | 14.13 | 4.98 | 0.92 | 6.01 | 85.35 | 1.22 | 42.33 |
| 3.078 | 14.13 | 4.98 | 0.99 | 6.01 | 83.78 | 1.28 | 42.33 |
| 3.103 | 14.13 | 4.98 | 0.88 | 6.01 | 83.66 | 1.28 | 42.33 |
| 3.135 | 14.13 | 4.98 | 0.84 | 6.01 | 84.25 | 1.24 | 42.33 |
| 3.196 | 14.13 | 4.98 | 1.18 | 6.01 | 85.01 | 1.21 | 42.33 |
| 3.29  | 14.13 | 4.98 | 0.95 | 6.01 | 83.49 | 1.24 | 42.33 |
| 3.369 | 14.13 | 4.98 | 0.95 | 6.01 | 82.2  | 1.21 | 42.33 |
| 3.405 | 14.13 | 4.98 | 0.95 | 6.01 | 80.9  | 1.2  | 42.33 |
| 3.421 | 14.13 | 4.98 | 1.03 | 6.02 | 79.34 | 1.24 | 42.33 |
| 3.445 | 14.13 | 4.98 | 0.99 | 6.02 | 78.51 | 1.2  | 42.33 |
| 3.501 | 14.13 | 4.98 | 0.88 | 6.03 | 77.39 | 1.17 | 42.33 |
| 3.591 | 14.13 | 4.98 | 0.92 | 6.04 | 76.95 | 1.25 | 42.33 |
| 3.686 | 14.13 | 4.98 | 0.95 | 6.05 | 77.45 | 1.19 | 42.33 |
| 3.753 | 14.13 | 4.98 | 1.03 | 6.06 | 77.39 | 1.28 | 42.33 |
| 3.788 | 14.13 | 4.98 | 0.84 | 6.07 | 75.88 | 1.28 | 42.33 |
| 3.808 | 14.13 | 4.98 | 0.99 | 6.08 | 73.65 | 1.25 | 42.33 |
| 3.84  | 14.13 | 4.98 | 1.03 | 6.09 | 71.51 | 1.27 | 42.33 |
| 3.9   | 14.13 | 4.98 | 0.88 | 6.09 | 71.28 | 1.33 | 42.33 |
| 3.987 | 14.13 | 4.98 | 1.03 | 6.09 | 70.43 | 1.33 | 42.33 |
| 4.068 | 14.13 | 4.98 | 0.95 | 6.11 | 71.43 | 1.32 | 42.33 |
| 4.086 | 14.13 | 4.98 | 0.88 | 6.12 | 69.79 | 1.34 | 42.33 |
| 4.127 | 14.13 | 4.98 | 0.99 | 6.12 | 68.23 | 1.26 | 42.33 |
| 4.209 | 14.13 | 4.98 | 0.88 | 6.13 | 67.07 | 1.31 | 42.33 |
| 4.282 | 14.13 | 4.98 | 0.8  | 6.14 | 66.93 | 1.29 | 42.33 |
| 4.335 | 14.13 | 4.98 | 0.99 | 6.15 | 66.86 | 1.26 | 42.33 |
| 4.391 | 14.13 | 4.98 | 1.18 | 6.16 | 66.43 | 1.28 | 42.33 |
| 4.461 | 14.13 | 4.98 | 1.07 | 6.17 | 65.6  | 1.34 | 42.33 |
| 4.532 | 14.13 | 4.98 | 1.11 | 6.18 | 64.3  | 1.33 | 42.33 |
| 4.572 | 14.13 | 4.98 | 1.03 | 6.18 | 63.35 | 1.31 | 42.33 |
| 4.578 | 14.13 | 4.98 | 1.07 | 6.18 | 62.97 | 1.27 | 42.33 |
| 4.585 | 14.13 | 4.98 | 0.92 | 6.18 | 62.9  | 1.3  | 42.33 |
| 4.626 | 14.13 | 4.98 | 0.99 | 6.18 | 62.34 | 1.31 | 42.33 |
| 4.694 | 14.13 | 4.98 | 1.11 | 6.18 | 61.43 | 1.32 | 42.33 |
| 4.759 | 14.13 | 4.98 | 0.92 | 6.19 | 60.92 | 1.35 | 42.33 |
| 4.809 | 14.13 | 4.98 | 1.03 | 6.2  | 60.48 | 1.26 | 42.33 |
| 4.849 | 14.13 | 4.98 | 1.11 | 6.21 | 59.58 | 1.32 | 42.33 |
| 4.883 | 14.13 | 4.98 | 1.03 | 6.23 | 58.79 | 1.31 | 42.33 |
| 4.915 | 14.13 | 4.98 | 1.07 | 6.25 | 58.39 | 1.33 | 42.33 |
| 4.954 | 14.13 | 4.98 | 0.84 | 6.28 | 58.04 | 1.3  | 42.33 |
| 5.006 | 14.13 | 4.98 | 0.88 | 6.32 | 57.01 | 1.27 | 42.33 |
| 5.063 | 14.13 | 4.98 | 0.99 | 6.39 | 56.08 | 1.27 | 42.33 |
| 5.112 | 14.13 | 4.98 | 0.88 | 6.44 | 55.96 | 1.3  | 42.33 |
| 5.152 | 14.13 | 4.98 | 1.03 | 6.51 | 55.64 | 1.3  | 42.33 |
| 5.194 | 14.13 | 4.98 | 0.99 | 6.6  | 55.0  | 1.31 | 42.33 |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 5.243 | 14.13 | 4.98 | 1.11 | 6.67 | 54.14 | 1.28 | 42.33 |
| 5.28  | 14.13 | 4.98 | 0.95 | 6.73 | 53.61 | 1.34 | 42.33 |
| 5.302 | 14.13 | 4.98 | 1.11 | 6.77 | 53.16 | 1.26 | 42.33 |
| 5.335 | 14.13 | 4.98 | 1.03 | 6.79 | 52.64 | 1.3  | 42.33 |
| 5.397 | 14.13 | 4.98 | 1.14 | 6.84 | 51.89 | 1.25 | 42.33 |
| 5.475 | 14.13 | 4.98 | 0.99 | 6.94 | 51.18 | 1.25 | 42.33 |
| 5.558 | 14.13 | 4.98 | 0.95 | 7.16 | 50.69 | 1.32 | 42.33 |
| 5.636 | 14.13 | 4.98 | 1.07 | 7.36 | 49.9  | 1.3  | 42.33 |
| 5.685 | 14.13 | 4.98 | 1.18 | 7.52 | 49.55 | 1.24 | 42.33 |
| 5.702 | 14.13 | 4.98 | 0.99 | 7.66 | 49.48 | 1.3  | 42.33 |
| 5.717 | 14.13 | 4.98 | 1.14 | 7.75 | 48.92 | 1.26 | 42.33 |
| 5.768 | 14.13 | 4.98 | 1.03 | 7.82 | 48.06 | 1.31 | 42.33 |
| 5.868 | 14.13 | 4.98 | 1.07 | 7.85 | 40.48 | 1.32 | 42.33 |
| 5.945 | 14.13 | 4.98 | 0.99 | 7.85 | 45.71 | 1.35 | 42.33 |
| 5.968 | 14.13 | 4.98 | 1.07 | 7.8  | 45.47 | 1.35 | 42.33 |



### 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>        | 9.57          | 0.26                   | 0.04              | 5.95              | 75.5                           | 0.01                              | 1.95               |
| <b>PROF (metros)</b> | 0.099         | 0.102                  | 0.409             | 0.409             | 4.622                          | 0.099                             | 0.102              |
| <b>MÁXIMO</b>        | 14.25         | 14.25                  | 4.62              | 8.46              | 2520.6                         | 2.04                              | 42.22              |
| <b>PROF (metros)</b> | 2.073         | 0.507                  | 4.382             | 0.099             | 0.236                          | 3.902                             | 3.188              |

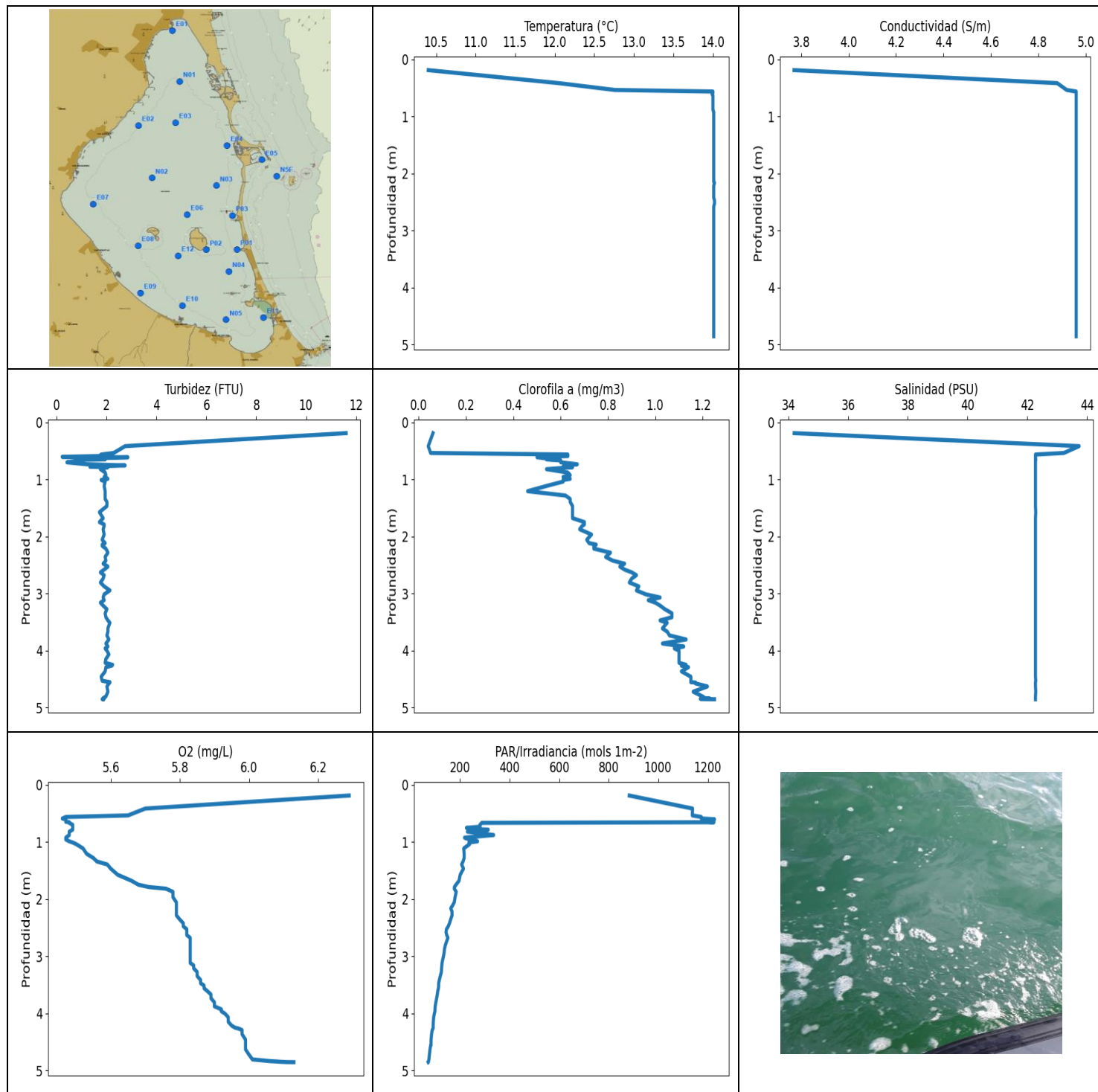
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E07 - Punto 006                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.31      | 4.24                | 2.57           | 6.53           | 756.96                      | 0.55              | 36.05           |
| 1 - 2m                                                     | 14.23      | 4.98                | 3.43           | 6.41           | 120.45                      | 0.26              | 42.21           |
| 2 - 3m                                                     | 14.24      | 4.98                | 3.51           | 6.7            | 131.72                      | 1.24              | 42.2            |
| 3 - 4m                                                     | 14.24      | 4.98                | 3.45           | 6.83           | 115.93                      | 1.86              | 42.21           |
| 4 - 5m                                                     | 14.25      | 4.98                | 3.63           | 6.99           | 84.45                       | 1.93              | 42.21           |

| 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) |
| 0.099                                                          | 9.57       | 0.37                | 0.11           | 8.46           | 2062.2                      | 0.01              | 2.86            |
| 0.101                                                          | 9.57       | 0.3                 | 0.38           | 8.43           | 2255.8                      | 0.03              | 2.27            |
| 0.102                                                          | 9.57       | 0.26                | 0.3            | 8.43           | 2425.5                      | 0.05              | 1.95            |
| 0.138                                                          | 9.57       | 0.3                 | 0.19           | 8.34           | 2342.1                      | 0.05              | 2.26            |
| 0.236                                                          | 10.01      | 3.27                | 0.23           | 6.77           | 2520.6                      | 0.04              | 29.55           |
| 0.409                                                          | 11.4       | 4.64                | 0.04           | 5.95           | 2298.0                      | 0.06              | 42.04           |
| 0.507                                                          | 14.22      | 4.98                | 2.52           | 6.21           | 449.37                      | 1.18              | 42.21           |
| 0.518                                                          | 14.22      | 4.98                | 4.2            | 6.21           | 448.65                      | 1.18              | 42.21           |
| 0.525                                                          | 14.23      | 4.98                | 2.94           | 6.23           | 447.3                       | 1.17              | 42.21           |
| 0.528                                                          | 14.23      | 4.98                | 3.93           | 6.23           | 450.83                      | 1.16              | 42.21           |
| 0.542                                                          | 14.23      | 4.98                | 2.67           | 6.25           | 446.47                      | 1.11              | 42.21           |
| 0.546                                                          | 14.23      | 4.98                | 3.09           | 6.25           | 445.33                      | 1.14              | 42.21           |
| 0.554                                                          | 14.23      | 4.98                | 2.29           | 6.25           | 445.43                      | 1.11              | 42.21           |
| 0.555                                                          | 14.23      | 4.98                | 3.85           | 6.29           | 434.12                      | 0.83              | 42.21           |
| 0.556                                                          | 14.22      | 4.98                | 3.05           | 6.31           | 432.51                      | 1.05              | 42.2            |
| 0.559                                                          | 14.22      | 4.98                | 3.05           | 6.3            | 427.23                      | 1.08              | 42.2            |
| 0.568                                                          | 14.22      | 4.98                | 3.59           | 6.29           | 432.01                      | 1.04              | 42.2            |
| 0.58                                                           | 14.22      | 4.98                | 3.55           | 6.28           | 427.53                      | 0.29              | 42.2            |
| 0.598                                                          | 14.22      | 4.98                | 2.33           | 6.26           | 409.11                      | 0.14              | 42.19           |
| 0.606                                                          | 14.22      | 4.98                | 2.9            | 6.24           | 413.21                      | 0.9               | 42.19           |
| 0.622                                                          | 14.22      | 4.98                | 3.78           | 6.21           | 367.23                      | 0.28              | 42.19           |
| 0.701                                                          | 14.22      | 4.98                | 3.43           | 6.18           | 101.76                      | 0.15              | 42.2            |
| 0.769                                                          | 14.22      | 4.98                | 3.01           | 6.16           | 108.48                      | 0.45              | 42.19           |
| 0.782                                                          | 14.22      | 4.98                | 3.17           | 6.11           | 128.31                      | 0.12              | 42.2            |
| 0.795                                                          | 14.22      | 4.98                | 3.28           | 6.09           | 108.33                      | 0.18              | 42.2            |
| 0.836                                                          | 14.22      | 4.98                | 3.51           | 6.08           | 118.12                      | 0.17              | 42.2            |
| 0.896                                                          | 14.22      | 4.98                | 3.17           | 6.07           | 124.87                      | 0.15              | 42.2            |
| 0.98                                                           | 14.22      | 4.98                | 3.43           | 6.07           | 124.53                      | 0.18              | 42.2            |
| 1.083                                                          | 14.22      | 4.98                | 3.17           | 6.09           | 110.75                      | 0.13              | 42.2            |
| 1.187                                                          | 14.22      | 4.98                | 3.2            | 6.12           | 119.99                      | 0.18              | 42.2            |
| 1.277                                                          | 14.22      | 4.98                | 3.28           | 6.16           | 121.76                      | 0.2               | 42.21           |
| 1.382                                                          | 14.22      | 4.98                | 3.2            | 6.21           | 122.44                      | 0.19              | 42.21           |
| 1.477                                                          | 14.23      | 4.98                | 3.47           | 6.28           | 121.36                      | 0.18              | 42.21           |
| 1.525                                                          | 14.23      | 4.98                | 3.28           | 6.33           | 119.3                       | 0.18              | 42.21           |
| 1.554                                                          | 14.23      | 4.98                | 3.43           | 6.4            | 119.24                      | 0.21              | 42.21           |
| 1.612                                                          | 14.23      | 4.98                | 3.78           | 6.46           | 121.64                      | 0.23              | 42.2            |
| 1.689                                                          | 14.23      | 4.98                | 3.28           | 6.53           | 123.18                      | 0.23              | 42.21           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 1.75  | 14.24 | 4.98 | 3.36 | 6.59 | 118.06 | 0.21 | 42.21 |
| 1.791 | 14.24 | 4.98 | 3.47 | 6.62 | 117.03 | 0.21 | 42.21 |
| 1.839 | 14.24 | 4.98 | 3.85 | 6.65 | 120.89 | 0.23 | 42.21 |
| 1.909 | 14.24 | 4.98 | 3.59 | 6.67 | 126.18 | 0.18 | 42.21 |
| 1.976 | 14.24 | 4.98 | 3.59 | 6.68 | 124.53 | 1.01 | 42.21 |
| 2.027 | 14.24 | 4.98 | 3.7  | 6.68 | 120.94 | 1.19 | 42.2  |
| 2.073 | 14.25 | 4.98 | 3.62 | 6.68 | 122.58 | 1.19 | 42.21 |
| 2.136 | 14.25 | 4.98 | 3.55 | 6.68 | 125.13 | 0.36 | 42.2  |
| 2.19  | 14.25 | 4.98 | 3.82 | 6.69 | 127.39 | 1.1  | 42.2  |
| 2.231 | 14.25 | 4.98 | 3.59 | 6.71 | 127.65 | 1.23 | 42.2  |
| 2.281 | 14.25 | 4.98 | 3.62 | 6.72 | 129.35 | 1.24 | 42.2  |
| 2.345 | 14.24 | 4.98 | 3.82 | 6.72 | 132.26 | 1.21 | 42.2  |
| 2.407 | 14.24 | 4.98 | 3.55 | 6.72 | 131.92 | 1.19 | 42.2  |
| 2.454 | 14.24 | 4.98 | 3.59 | 6.71 | 129.17 | 1.3  | 42.2  |
| 2.491 | 14.24 | 4.98 | 3.32 | 6.7  | 126.97 | 1.29 | 42.2  |
| 2.535 | 14.24 | 4.98 | 3.24 | 6.68 | 135.27 | 1.25 | 42.2  |
| 2.599 | 14.23 | 4.98 | 3.47 | 6.66 | 142.41 | 1.34 | 42.2  |
| 2.669 | 14.23 | 4.98 | 3.4  | 6.66 | 147.79 | 1.31 | 42.2  |
| 2.731 | 14.23 | 4.98 | 3.4  | 6.67 | 134.89 | 1.4  | 42.2  |
| 2.773 | 14.23 | 4.98 | 3.47 | 6.68 | 129.74 | 1.35 | 42.2  |
| 2.809 | 14.23 | 4.98 | 3.51 | 6.7  | 132.75 | 1.48 | 42.21 |
| 2.87  | 14.23 | 4.98 | 3.4  | 6.72 | 136.75 | 1.46 | 42.21 |
| 2.95  | 14.23 | 4.98 | 3.13 | 6.74 | 138.02 | 1.51 | 42.21 |
| 3.005 | 14.23 | 4.98 | 3.43 | 6.76 | 136.97 | 1.54 | 42.2  |
| 3.021 | 14.23 | 4.98 | 3.7  | 6.76 | 128.22 | 1.51 | 42.2  |
| 3.035 | 14.23 | 4.98 | 3.7  | 6.77 | 129.11 | 1.58 | 42.2  |
| 3.094 | 14.23 | 4.98 | 3.17 | 6.77 | 128.31 | 1.59 | 42.21 |
| 3.188 | 14.23 | 4.98 | 3.36 | 6.78 | 126.8  | 1.68 | 42.22 |
| 3.255 | 14.24 | 4.98 | 3.24 | 6.79 | 127.74 | 1.74 | 42.22 |
| 3.283 | 14.24 | 4.98 | 3.36 | 6.79 | 123.01 | 1.85 | 42.21 |
| 3.318 | 14.24 | 4.98 | 3.51 | 6.8  | 119.47 | 1.74 | 42.21 |
| 3.385 | 14.24 | 4.98 | 3.32 | 6.81 | 116.7  | 1.89 | 42.21 |
| 3.454 | 14.24 | 4.98 | 3.43 | 6.82 | 116.32 | 1.89 | 42.21 |
| 3.502 | 14.24 | 4.98 | 3.43 | 6.83 | 116.76 | 1.95 | 42.21 |
| 3.543 | 14.24 | 4.98 | 3.32 | 6.83 | 114.61 | 2.0  | 42.21 |
| 3.602 | 14.25 | 4.98 | 3.32 | 6.84 | 110.41 | 2.02 | 42.21 |
| 3.672 | 14.25 | 4.98 | 3.4  | 6.85 | 107.33 | 2.02 | 42.21 |
| 3.737 | 14.25 | 4.98 | 3.66 | 6.87 | 105.68 | 2.02 | 42.21 |
| 3.789 | 14.25 | 4.98 | 3.74 | 6.88 | 105.14 | 2.02 | 42.21 |
| 3.82  | 14.25 | 4.98 | 3.36 | 6.89 | 104.78 | 2.03 | 42.21 |
| 3.849 | 14.25 | 4.98 | 3.51 | 6.91 | 103.02 | 2.0  | 42.21 |
| 3.902 | 14.25 | 4.98 | 3.47 | 6.93 | 100.64 | 2.04 | 42.21 |
| 3.98  | 14.25 | 4.98 | 3.59 | 6.93 | 97.54  | 2.03 | 42.21 |
| 4.05  | 14.25 | 4.98 | 3.74 | 6.93 | 94.8   | 2.02 | 42.21 |
| 4.092 | 14.25 | 4.98 | 3.51 | 6.96 | 94.64  | 2.0  | 42.21 |
| 4.118 | 14.25 | 4.98 | 3.62 | 6.94 | 94.09  | 1.96 | 42.21 |
| 4.16  | 14.25 | 4.98 | 3.47 | 6.96 | 92.02  | 1.96 | 42.21 |
| 4.227 | 14.25 | 4.98 | 3.43 | 6.98 | 89.83  | 1.94 | 42.21 |
| 4.288 | 14.25 | 4.98 | 3.66 | 6.98 | 87.73  | 1.96 | 42.21 |
| 4.335 | 14.25 | 4.98 | 3.47 | 6.99 | 86.16  | 1.93 | 42.21 |
| 4.382 | 14.25 | 4.98 | 4.62 | 7.01 | 84.48  | 1.91 | 42.21 |
| 4.448 | 14.25 | 4.98 | 3.62 | 7.01 | 82.43  | 1.97 | 42.21 |
| 4.532 | 14.25 | 4.98 | 3.85 | 7.01 | 78.53  | 1.92 | 42.21 |
| 4.591 | 14.25 | 4.98 | 3.24 | 7.02 | 78.13  | 1.74 | 42.21 |
| 4.607 | 14.25 | 4.98 | 3.89 | 7.02 | 76.56  | 1.91 | 42.21 |
| 4.61  | 14.25 | 4.98 | 3.74 | 7.02 | 76.11  | 1.91 | 42.21 |
| 4.616 | 14.25 | 4.98 | 3.47 | 7.02 | 75.8   | 1.9  | 42.21 |
| 4.622 | 14.25 | 4.98 | 3.17 | 7.03 | 75.5   | 1.85 | 42.21 |





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

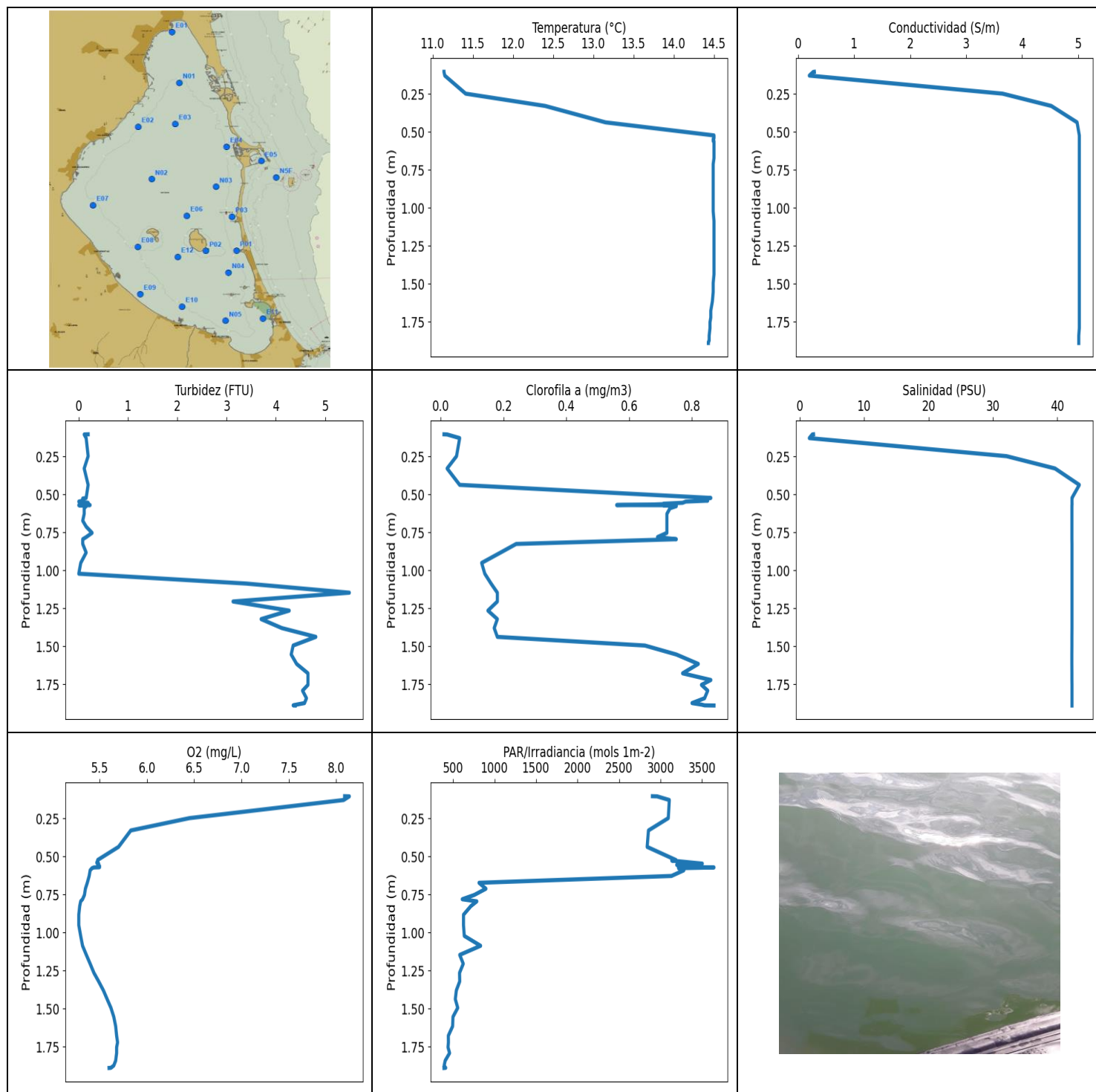
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 10.4          | 3.77                   | 0.23              | 5.46              | 71.56                          | 0.04                              | 34.2               |
| <b>PROF (metros)</b> | 0.186         | 0.186                  | 0.602             | 0.588             | 4.852                          | 0.414                             | 0.186              |
| <b>MÁXIMO</b>        | 14.02         | 14.02                  | 11.6              | 6.29              | 1226.8                         | 1.25                              | 43.73              |
| <b>PROF (metros)</b> | 2.163         | 0.561                  | 0.186             | 0.186             | 0.602                          | 4.852                             | 0.414              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E08 - Punto 007                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.68      | 4.9                 | 2.2            | 5.54           | 688.91                      | 0.52              | 42.0            |
| 1 - 2m                                                     | 14.01      | 4.96                | 1.89           | 5.62           | 203.5                       | 0.64              | 42.27           |
| 2 - 3m                                                     | 14.01      | 4.96                | 1.92           | 5.81           | 154.34                      | 0.83              | 42.27           |
| 3 - 4m                                                     | 14.01      | 4.96                | 1.99           | 5.87           | 114.7                       | 1.04              | 42.27           |
| 4 - 5m                                                     | 14.01      | 4.96                | 1.99           | 6.0            | 82.35                       | 1.16              | 42.27           |

| 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) |
| 0.186                                                          | 10.4       | 3.77                | 11.6           | 6.29           | 882.73                      | 0.06              | 34.2            |
| 0.414                                                          | 12.05      | 4.88                | 2.75           | 5.7            | 1138.3                      | 0.04              | 43.73           |
| 0.534                                                          | 12.76      | 4.92                | 2.29           | 5.65           | 1137.2                      | 0.05              | 43.22           |
| 0.561                                                          | 14.0       | 4.96                | 1.79           | 5.47           | 1173.4                      | 0.63              | 42.27           |
| 0.588                                                          | 14.0       | 4.96                | 1.72           | 5.46           | 1173.9                      | 0.63              | 42.27           |
| 0.602                                                          | 13.99      | 4.96                | 0.23           | 5.47           | 1226.8                      | 0.5               | 42.27           |
| 0.609                                                          | 13.99      | 4.96                | 2.86           | 5.47           | 1176.6                      | 0.5               | 42.27           |
| 0.629                                                          | 14.0       | 4.96                | 1.49           | 5.47           | 1181.6                      | 0.54              | 42.27           |
| 0.646                                                          | 14.0       | 4.96                | 1.95           | 5.47           | 1204.2                      | 0.54              | 42.28           |
| 0.653                                                          | 14.0       | 4.96                | 1.14           | 5.48           | 1224.5                      | 0.56              | 42.28           |
| 0.664                                                          | 14.0       | 4.96                | 0.95           | 5.48           | 287.83                      | 0.6               | 42.27           |
| 0.698                                                          | 14.0       | 4.96                | 0.42           | 5.49           | 280.2                       | 0.6               | 42.27           |
| 0.732                                                          | 14.0       | 4.96                | 1.22           | 5.49           | 280.33                      | 0.67              | 42.27           |
| 0.752                                                          | 14.0       | 4.96                | 2.75           | 5.49           | 225.71                      | 0.62              | 42.27           |
| 0.774                                                          | 14.0       | 4.96                | 1.34           | 5.49           | 268.19                      | 0.61              | 42.27           |
| 0.783                                                          | 14.0       | 4.96                | 2.06           | 5.49           | 313.75                      | 0.65              | 42.27           |
| 0.818                                                          | 14.0       | 4.96                | 1.76           | 5.48           | 229.61                      | 0.54              | 42.27           |
| 0.877                                                          | 14.0       | 4.96                | 1.95           | 5.48           | 335.49                      | 0.63              | 42.27           |
| 0.923                                                          | 14.01      | 4.96                | 1.98           | 5.47           | 217.9                       | 0.64              | 42.27           |
| 0.955                                                          | 14.01      | 4.96                | 1.91           | 5.47           | 238.12                      | 0.61              | 42.27           |
| 0.987                                                          | 14.01      | 4.96                | 2.06           | 5.48           | 270.81                      | 0.64              | 42.27           |
| 1.008                                                          | 14.01      | 4.96                | 1.79           | 5.49           | 235.93                      | 0.61              | 42.27           |
| 1.036                                                          | 14.01      | 4.96                | 1.95           | 5.5            | 238.57                      | 0.61              | 42.27           |
| 1.112                                                          | 14.01      | 4.96                | 1.91           | 5.52           | 214.79                      | 0.54              | 42.27           |
| 1.204                                                          | 14.01      | 4.96                | 1.95           | 5.53           | 216.44                      | 0.46              | 42.27           |
| 1.28                                                           | 14.01      | 4.96                | 1.95           | 5.55           | 216.49                      | 0.62              | 42.27           |
| 1.34                                                           | 14.01      | 4.96                | 1.95           | 5.56           | 212.12                      | 0.64              | 42.27           |
| 1.392                                                          | 14.01      | 4.96                | 2.02           | 5.59           | 206.2                       | 0.64              | 42.27           |
| 1.465                                                          | 14.01      | 4.96                | 2.02           | 5.6            | 213.75                      | 0.65              | 42.27           |
| 1.572                                                          | 14.01      | 4.96                | 1.72           | 5.62           | 200.5                       | 0.65              | 42.28           |
| 1.677                                                          | 14.01      | 4.96                | 1.87           | 5.66           | 195.77                      | 0.65              | 42.27           |
| 1.746                                                          | 14.01      | 4.96                | 1.72           | 5.68           | 183.6                       | 0.7               | 42.27           |
| 1.787                                                          | 14.01      | 4.96                | 1.91           | 5.71           | 177.2                       | 0.7               | 42.27           |
| 1.816                                                          | 14.01      | 4.96                | 1.91           | 5.76           | 176.75                      | 0.69              | 42.27           |
| 1.871                                                          | 14.01      | 4.96                | 1.87           | 5.78           | 184.41                      | 0.68              | 42.27           |
| 1.964                                                          | 14.01      | 4.96                | 1.91           | 5.78           | 179.93                      | 0.73              | 42.27           |
| 2.056                                                          | 14.01      | 4.96                | 1.83           | 5.79           | 176.34                      | 0.71              | 42.27           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.115 | 14.01 | 4.96 | 1.95 | 5.79 | 169.21 | 0.72 | 42.27 |
| 2.141 | 14.01 | 4.96 | 1.83 | 5.79 | 164.72 | 0.75 | 42.27 |
| 2.163 | 14.02 | 4.96 | 1.83 | 5.79 | 162.6  | 0.74 | 42.27 |
| 2.211 | 14.01 | 4.96 | 1.98 | 5.79 | 167.19 | 0.74 | 42.27 |
| 2.282 | 14.01 | 4.96 | 2.06 | 5.79 | 167.73 | 0.81 | 42.27 |
| 2.357 | 14.01 | 4.96 | 1.95 | 5.8  | 161.81 | 0.79 | 42.27 |
| 2.422 | 14.01 | 4.96 | 1.98 | 5.81 | 157.3  | 0.82 | 42.27 |
| 2.475 | 14.02 | 4.96 | 1.87 | 5.81 | 152.28 | 0.87 | 42.27 |
| 2.526 | 14.02 | 4.96 | 2.06 | 5.82 | 145.01 | 0.85 | 42.27 |
| 2.579 | 14.01 | 4.96 | 1.91 | 5.82 | 143.44 | 0.87 | 42.27 |
| 2.627 | 14.01 | 4.96 | 1.76 | 5.82 | 146.26 | 0.9  | 42.27 |
| 2.677 | 14.01 | 4.96 | 1.91 | 5.83 | 150.94 | 0.92 | 42.27 |
| 2.736 | 14.01 | 4.96 | 1.87 | 5.83 | 145.92 | 0.9  | 42.27 |
| 2.805 | 14.01 | 4.96 | 1.76 | 5.83 | 140.54 | 0.89 | 42.27 |
| 2.873 | 14.01 | 4.96 | 1.91 | 5.83 | 137.07 | 0.93 | 42.27 |
| 2.944 | 14.01 | 4.96 | 2.14 | 5.83 | 135.42 | 0.92 | 42.27 |
| 3.013 | 14.01 | 4.96 | 1.91 | 5.83 | 132.26 | 0.96 | 42.27 |
| 3.068 | 14.01 | 4.96 | 1.87 | 5.83 | 129.44 | 1.02 | 42.27 |
| 3.115 | 14.01 | 4.96 | 1.91 | 5.83 | 127.39 | 0.97 | 42.27 |
| 3.159 | 14.01 | 4.96 | 1.76 | 5.84 | 126.39 | 1.0  | 42.27 |
| 3.21  | 14.01 | 4.96 | 1.87 | 5.84 | 125.39 | 1.02 | 42.27 |
| 3.273 | 14.01 | 4.96 | 2.02 | 5.85 | 124.55 | 1.04 | 42.27 |
| 3.345 | 14.01 | 4.96 | 1.95 | 5.85 | 120.16 | 1.07 | 42.27 |
| 3.414 | 14.01 | 4.96 | 1.98 | 5.86 | 116.35 | 1.07 | 42.27 |
| 3.47  | 14.01 | 4.96 | 2.06 | 5.86 | 113.61 | 1.02 | 42.27 |
| 3.511 | 14.01 | 4.96 | 2.14 | 5.87 | 113.55 | 1.05 | 42.27 |
| 3.558 | 14.01 | 4.96 | 2.1  | 5.87 | 112.71 | 1.04 | 42.27 |
| 3.611 | 14.01 | 4.96 | 2.06 | 5.88 | 109.83 | 1.03 | 42.27 |
| 3.667 | 14.01 | 4.96 | 2.06 | 5.89 | 108.23 | 1.05 | 42.27 |
| 3.733 | 14.01 | 4.96 | 2.02 | 5.89 | 105.46 | 1.06 | 42.27 |
| 3.804 | 14.01 | 4.96 | 2.1  | 5.9  | 102.33 | 1.13 | 42.27 |
| 3.875 | 14.01 | 4.96 | 1.98 | 5.9  | 99.57  | 1.03 | 42.27 |
| 3.927 | 14.01 | 4.96 | 2.06 | 5.92 | 98.86  | 1.12 | 42.27 |
| 3.961 | 14.01 | 4.96 | 1.95 | 5.92 | 98.56  | 1.08 | 42.27 |
| 4.0   | 14.01 | 4.96 | 2.02 | 5.93 | 96.34  | 1.1  | 42.27 |
| 4.065 | 14.01 | 4.96 | 2.1  | 5.94 | 93.55  | 1.1  | 42.27 |
| 4.145 | 14.01 | 4.96 | 1.98 | 5.94 | 92.02  | 1.1  | 42.27 |
| 4.213 | 14.01 | 4.96 | 1.95 | 5.95 | 91.36  | 1.1  | 42.27 |
| 4.249 | 14.01 | 4.96 | 2.25 | 5.96 | 91.45  | 1.13 | 42.27 |
| 4.264 | 14.01 | 4.96 | 2.21 | 5.97 | 90.61  | 1.11 | 42.27 |
| 4.29  | 14.01 | 4.96 | 1.98 | 5.98 | 87.59  | 1.14 | 42.27 |
| 4.363 | 14.01 | 4.96 | 1.95 | 5.98 | 84.89  | 1.11 | 42.27 |
| 4.457 | 14.01 | 4.96 | 1.79 | 5.99 | 83.04  | 1.15 | 42.27 |
| 4.528 | 14.01 | 4.96 | 1.83 | 5.99 | 82.79  | 1.15 | 42.28 |
| 4.553 | 14.01 | 4.96 | 2.14 | 5.99 | 82.91  | 1.15 | 42.27 |
| 4.559 | 14.01 | 4.96 | 2.14 | 5.99 | 81.59  | 1.17 | 42.27 |
| 4.575 | 14.01 | 4.96 | 2.1  | 5.99 | 80.69  | 1.17 | 42.27 |
| 4.628 | 14.01 | 4.96 | 2.02 | 5.99 | 78.6   | 1.22 | 42.27 |
| 4.72  | 14.01 | 4.96 | 2.06 | 6.0  | 76.27  | 1.16 | 42.28 |
| 4.804 | 14.01 | 4.96 | 1.98 | 6.01 | 74.39  | 1.2  | 42.27 |
| 4.833 | 14.01 | 4.96 | 1.87 | 6.06 | 72.67  | 1.21 | 42.27 |
| 4.84  | 14.01 | 4.96 | 1.87 | 6.08 | 72.68  | 1.23 | 42.27 |
| 4.845 | 14.01 | 4.96 | 1.91 | 6.09 | 72.5   | 1.19 | 42.27 |
| 4.851 | 14.01 | 4.96 | 1.83 | 6.11 | 71.83  | 1.22 | 42.27 |
| 4.852 | 14.01 | 4.96 | 1.87 | 6.13 | 71.56  | 1.25 | 42.27 |



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

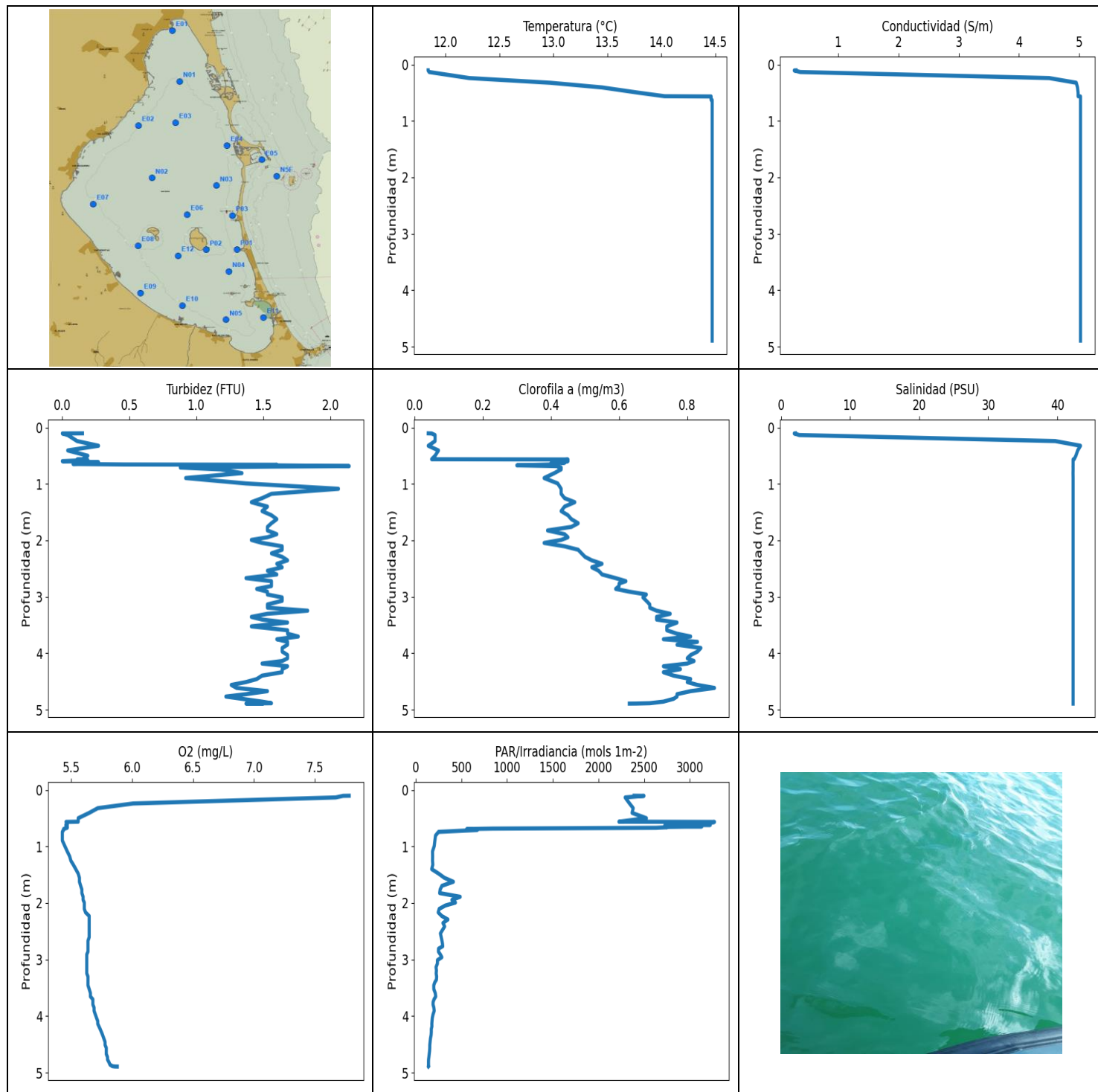
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m <sup>-2</sup> ) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|---------------------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 11.14         | 0.2                    | 0.0               | 5.28              | 389.22                                      | 0.01                              | 1.45               |
| <b>PROF (metros)</b> | 0.105         | 0.13                   | 0.548             | 0.884             | 1.891                                       | 0.105                             | 0.13               |
| <b>MÁXIMO</b>        | 14.5          | 14.5                   | 5.49              | 8.14              | 3644.7                                      | 0.87                              | 43.44              |
| <b>PROF (metros)</b> | 0.524         | 0.524                  | 1.148             | 0.106             | 0.573                                       | 1.891                             | 0.438              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E09 - Punto 008                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.9       | 4.44                | 0.14           | 5.76           | 2483.55                     | 0.52              | 37.55           |
| 1 - 2m                                                     | 14.47      | 5.02                | 4.36           | 5.58           | 503.74                      | 0.57              | 42.3            |

| 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) |
| 0.105                                                          | 11.14      | 0.29                | 0.19           | 8.09           | 2902.1                      | 0.01              | 2.11            |
| 0.106                                                          | 11.14      | 0.27                | 0.11           | 8.14           | 2959.1                      | 0.02              | 1.92            |
| 0.13                                                           | 11.15      | 0.2                 | 0.15           | 8.08           | 3106.0                      | 0.06              | 1.45            |
| 0.249                                                          | 11.41      | 3.65                | 0.19           | 6.45           | 3093.8                      | 0.05              | 32.13           |
| 0.33                                                           | 12.4       | 4.52                | 0.11           | 5.83           | 2854.7                      | 0.02              | 39.66           |
| 0.438                                                          | 13.15      | 4.98                | 0.19           | 5.7            | 2838.9                      | 0.06              | 43.44           |
| 0.524                                                          | 14.5       | 5.02                | 0.15           | 5.48           | 3184.7                      | 0.86              | 42.3            |
| 0.528                                                          | 14.5       | 5.02                | 0.08           | 5.48           | 3135.7                      | 0.83              | 42.3            |
| 0.542                                                          | 14.5       | 5.02                | 0.08           | 5.47           | 3392.8                      | 0.85              | 42.3            |
| 0.548                                                          | 14.49      | 5.02                | 0.0            | 5.49           | 3503.9                      | 0.78              | 42.3            |
| 0.556                                                          | 14.49      | 5.02                | 0.19           | 5.48           | 3195.1                      | 0.77              | 42.3            |
| 0.561                                                          | 14.49      | 5.02                | 0.15           | 5.48           | 3364.6                      | 0.72              | 42.31           |
| 0.562                                                          | 14.5       | 5.02                | 0.19           | 5.49           | 3245.1                      | 0.71              | 42.3            |
| 0.564                                                          | 14.5       | 5.02                | 0.19           | 5.5            | 3256.4                      | 0.72              | 42.3            |
| 0.568                                                          | 14.5       | 5.02                | 0.11           | 5.5            | 3265.5                      | 0.67              | 42.3            |
| 0.57                                                           | 14.5       | 5.02                | 0.19           | 5.5            | 3433.9                      | 0.58              | 42.3            |
| 0.571                                                          | 14.5       | 5.02                | 0.23           | 5.5            | 3217.4                      | 0.56              | 42.3            |
| 0.572                                                          | 14.5       | 5.02                | 0.0            | 5.49           | 3300.5                      | 0.73              | 42.3            |
| 0.573                                                          | 14.5       | 5.02                | 0.11           | 5.44           | 3644.7                      | 0.71              | 42.29           |
| 0.578                                                          | 14.5       | 5.02                | 0.15           | 5.42           | 3217.4                      | 0.75              | 42.29           |
| 0.592                                                          | 14.5       | 5.02                | 0.11           | 5.4            | 3280.6                      | 0.73              | 42.29           |
| 0.629                                                          | 14.5       | 5.02                | 0.11           | 5.39           | 3132.0                      | 0.72              | 42.29           |
| 0.674                                                          | 14.5       | 5.02                | 0.08           | 5.37           | 811.88                      | 0.72              | 42.29           |
| 0.713                                                          | 14.49      | 5.02                | 0.15           | 5.35           | 894.88                      | 0.72              | 42.29           |
| 0.754                                                          | 14.49      | 5.02                | 0.27           | 5.34           | 754.01                      | 0.72              | 42.29           |
| 0.782                                                          | 14.49      | 5.02                | 0.15           | 5.32           | 609.5                       | 0.69              | 42.29           |
| 0.796                                                          | 14.49      | 5.02                | 0.08           | 5.3            | 785.04                      | 0.75              | 42.29           |
| 0.827                                                          | 14.49      | 5.02                | 0.08           | 5.29           | 713.88                      | 0.24              | 42.3            |
| 0.884                                                          | 14.49      | 5.02                | 0.15           | 5.28           | 624.95                      | 0.19              | 42.3            |
| 0.952                                                          | 14.49      | 5.02                | 0.04           | 5.28           | 624.66                      | 0.13              | 42.3            |
| 1.023                                                          | 14.49      | 5.02                | 0.0            | 5.3            | 634.14                      | 0.14              | 42.3            |
| 1.088                                                          | 14.5       | 5.02                | 3.4            | 5.32           | 830.91                      | 0.16              | 42.3            |
| 1.148                                                          | 14.5       | 5.02                | 5.49           | 5.36           | 579.07                      | 0.18              | 42.3            |
| 1.206                                                          | 14.5       | 5.02                | 3.13           | 5.4            | 621.63                      | 0.18              | 42.3            |
| 1.266                                                          | 14.5       | 5.02                | 4.27           | 5.44           | 576.79                      | 0.15              | 42.3            |
| 1.322                                                          | 14.5       | 5.02                | 3.7            | 5.49           | 579.07                      | 0.18              | 42.3            |
| 1.381                                                          | 14.5       | 5.02                | 4.12           | 5.54           | 538.42                      | 0.17              | 42.3            |
| 1.439                                                          | 14.5       | 5.02                | 4.81           | 5.58           | 525.84                      | 0.18              | 42.29           |
| 1.496                                                          | 14.49      | 5.02                | 4.35           | 5.62           | 555.28                      | 0.65              | 42.29           |
| 1.555                                                          | 14.49      | 5.02                | 4.31           | 5.65           | 497.62                      | 0.75              | 42.28           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 1.617 | 14.48 | 5.02 | 4.42 | 5.67 | 493.37 | 0.82 | 42.28 |
| 1.679 | 14.46 | 5.02 | 4.65 | 5.68 | 441.73 | 0.77 | 42.29 |
| 1.723 | 14.46 | 5.02 | 4.65 | 5.69 | 442.76 | 0.86 | 42.29 |
| 1.755 | 14.45 | 5.02 | 4.65 | 5.68 | 437.86 | 0.83 | 42.3  |
| 1.793 | 14.45 | 5.02 | 4.54 | 5.68 | 457.04 | 0.85 | 42.3  |
| 1.843 | 14.44 | 5.01 | 4.62 | 5.67 | 403.74 | 0.84 | 42.3  |
| 1.875 | 14.44 | 5.01 | 4.58 | 5.65 | 391.49 | 0.8  | 42.3  |
| 1.885 | 14.43 | 5.01 | 4.42 | 5.63 | 399.0  | 0.83 | 42.3  |
| 1.89  | 14.43 | 5.01 | 4.35 | 5.62 | 410.25 | 0.84 | 42.3  |
| 1.891 | 14.43 | 5.01 | 4.39 | 5.6  | 389.22 | 0.87 | 42.3  |


**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>        | 11.84         | 0.27                   | 0.0               | 5.43              | 137.04                         | 0.04                              | 1.92               |
| <b>PROF (metros)</b> | 0.103         | 0.105                  | 0.105             | 0.742             | 4.892                          | 0.103                             | 0.105              |
| <b>MÁXIMO</b>        | 14.47         | 14.47                  | 2.14              | 7.78              | 3268.5                         | 0.88                              | 43.36              |
| <b>PROF (metros)</b> | 0.63          | 0.566                  | 0.684             | 0.103             | 0.566                          | 4.615                             | 0.323              |

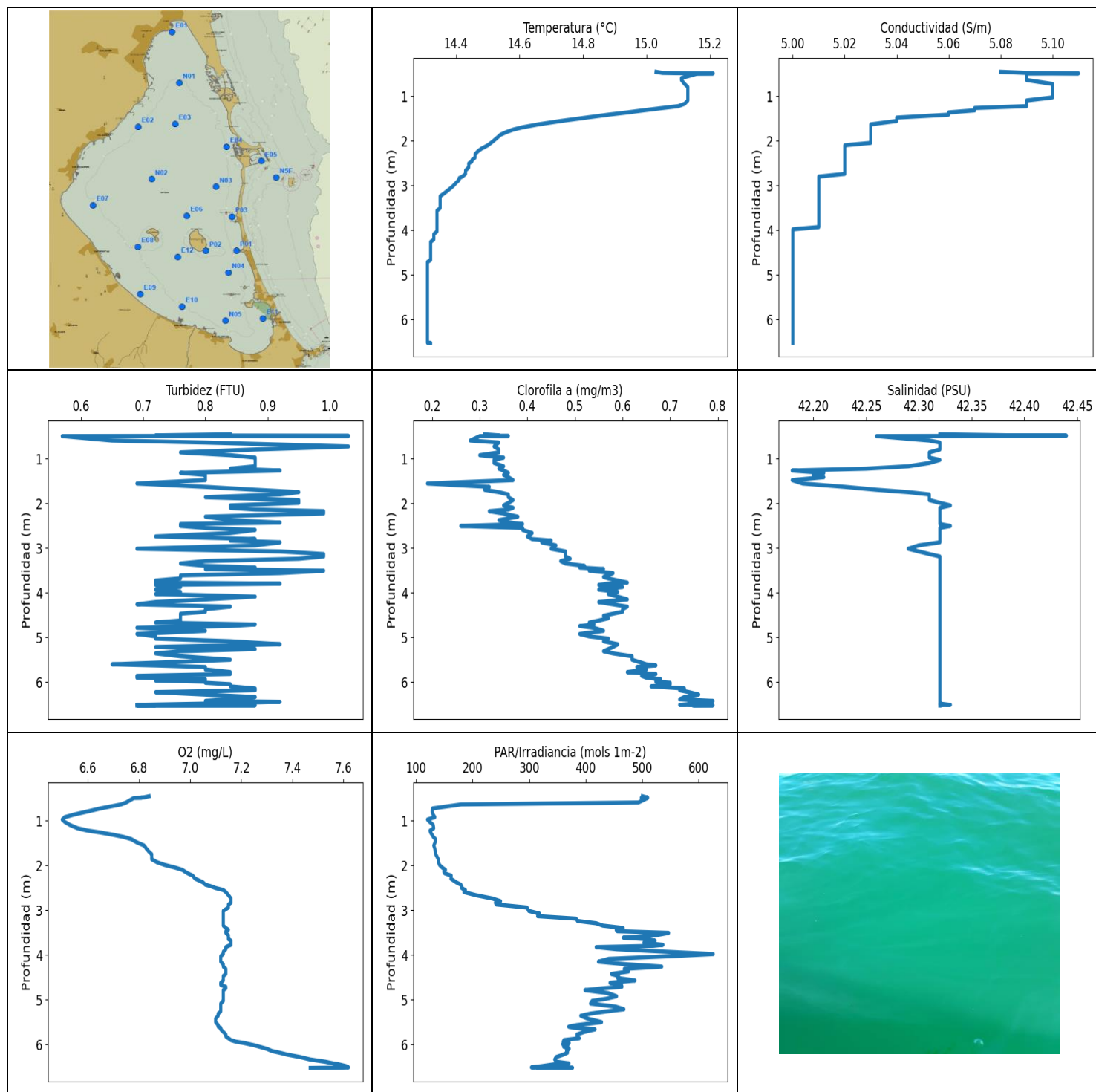
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E10 - Punto 009                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.04      | 4.63                | 0.59           | 5.68           | 2101.76                     | 0.32              | 39.21           |
| 1 - 2m                                                     | 14.47      | 5.02                | 1.56           | 5.55           | 287.49                      | 0.44              | 42.29           |
| 2 - 3m                                                     | 14.47      | 5.02                | 1.56           | 5.64           | 285.17                      | 0.55              | 42.29           |
| 3 - 4m                                                     | 14.47      | 5.02                | 1.61           | 5.66           | 211.76                      | 0.75              | 42.29           |
| 4 - 5m                                                     | 14.47      | 5.02                | 1.48           | 5.78           | 156.41                      | 0.77              | 42.29           |

| 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) |
| 0.103                                                          | 11.84      | 0.3                 | 0.15           | 7.78           | 2389.2                      | 0.04              | 2.1             |
| 0.105                                                          | 11.84      | 0.27                | 0.0            | 7.73           | 2496.8                      | 0.05              | 1.92            |
| 0.133                                                          | 11.85      | 0.37                | 0.04           | 7.67           | 2291.1                      | 0.06              | 2.65            |
| 0.24                                                           | 12.22      | 4.5                 | 0.11           | 6.01           | 2339.4                      | 0.06              | 39.7            |
| 0.323                                                          | 12.97      | 4.95                | 0.27           | 5.72           | 2379.3                      | 0.04              | 43.36           |
| 0.406                                                          | 13.45      | 4.97                | 0.04           | 5.65           | 2366.6                      | 0.07              | 42.95           |
| 0.5                                                            | 13.79      | 4.98                | 0.19           | 5.56           | 2523.6                      | 0.06              | 42.69           |
| 0.562                                                          | 14.03      | 4.98                | 0.15           | 5.56           | 2223.1                      | 0.05              | 42.44           |
| 0.566                                                          | 14.46      | 5.02                | 0.11           | 5.46           | 3268.5                      | 0.45              | 42.29           |
| 0.576                                                          | 14.46      | 5.02                | 0.19           | 5.47           | 3240.6                      | 0.43              | 42.29           |
| 0.596                                                          | 14.46      | 5.02                | 0.0            | 5.47           | 3125.5                      | 0.45              | 42.29           |
| 0.614                                                          | 14.46      | 5.02                | 0.27           | 5.46           | 3062.4                      | 0.44              | 42.29           |
| 0.619                                                          | 14.46      | 5.02                | 0.11           | 5.47           | 3222.6                      | 0.43              | 42.29           |
| 0.625                                                          | 14.46      | 5.02                | 0.15           | 5.46           | 2789.3                      | 0.44              | 42.29           |
| 0.63                                                           | 14.47      | 5.02                | 0.11           | 5.46           | 2724.1                      | 0.41              | 42.29           |
| 0.634                                                          | 14.47      | 5.02                | 0.23           | 5.46           | 2846.8                      | 0.4               | 42.29           |
| 0.639                                                          | 14.47      | 5.02                | 0.15           | 5.46           | 2780.9                      | 0.41              | 42.29           |
| 0.646                                                          | 14.47      | 5.02                | 0.08           | 5.46           | 3129.9                      | 0.42              | 42.29           |
| 0.655                                                          | 14.47      | 5.02                | 0.46           | 5.47           | 2734.9                      | 0.4               | 42.29           |
| 0.66                                                           | 14.47      | 5.02                | 1.6            | 5.46           | 2750.2                      | 0.37              | 42.29           |
| 0.67                                                           | 14.47      | 5.02                | 1.56           | 5.47           | 2629.8                      | 0.3               | 42.29           |
| 0.684                                                          | 14.47      | 5.02                | 2.14           | 5.45           | 842.74                      | 0.42              | 42.29           |
| 0.692                                                          | 14.47      | 5.02                | 1.56           | 5.44           | 558.37                      | 0.42              | 42.28           |
| 0.709                                                          | 14.47      | 5.02                | 0.88           | 5.44           | 672.91                      | 0.43              | 42.29           |
| 0.742                                                          | 14.47      | 5.02                | 1.18           | 5.43           | 250.12                      | 0.43              | 42.29           |
| 0.808                                                          | 14.47      | 5.02                | 1.34           | 5.43           | 216.49                      | 0.41              | 42.28           |
| 0.895                                                          | 14.47      | 5.02                | 0.92           | 5.43           | 209.67                      | 0.38              | 42.29           |
| 0.991                                                          | 14.47      | 5.02                | 1.37           | 5.45           | 203.12                      | 0.42              | 42.29           |
| 1.086                                                          | 14.47      | 5.02                | 2.06           | 5.47           | 184.02                      | 0.43              | 42.29           |
| 1.175                                                          | 14.47      | 5.02                | 1.56           | 5.49           | 184.83                      | 0.43              | 42.29           |
| 1.252                                                          | 14.47      | 5.02                | 1.49           | 5.5            | 183.94                      | 0.44              | 42.29           |
| 1.323                                                          | 14.47      | 5.02                | 1.41           | 5.52           | 186.95                      | 0.47              | 42.29           |
| 1.401                                                          | 14.47      | 5.02                | 1.53           | 5.54           | 174.96                      | 0.44              | 42.29           |
| 1.481                                                          | 14.47      | 5.02                | 1.49           | 5.56           | 251.57                      | 0.43              | 42.29           |
| 1.554                                                          | 14.47      | 5.02                | 1.56           | 5.57           | 313.24                      | 0.45              | 42.29           |
| 1.624                                                          | 14.47      | 5.02                | 1.6            | 5.57           | 412.06                      | 0.46              | 42.29           |
| 1.696                                                          | 14.47      | 5.02                | 1.56           | 5.58           | 286.77                      | 0.48              | 42.29           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 1.761 | 14.47 | 5.02 | 1.53 | 5.59 | 267.63 | 0.46 | 42.29 |
| 1.824 | 14.47 | 5.02 | 1.53 | 5.59 | 261.8  | 0.39 | 42.29 |
| 1.89  | 14.47 | 5.02 | 1.6  | 5.6  | 486.44 | 0.44 | 42.29 |
| 1.945 | 14.47 | 5.02 | 1.53 | 5.6  | 396.23 | 0.45 | 42.29 |
| 1.992 | 14.47 | 5.02 | 1.41 | 5.61 | 434.42 | 0.43 | 42.29 |
| 2.045 | 14.47 | 5.02 | 1.49 | 5.61 | 323.35 | 0.38 | 42.29 |
| 2.105 | 14.47 | 5.02 | 1.64 | 5.61 | 256.64 | 0.44 | 42.29 |
| 2.166 | 14.47 | 5.02 | 1.64 | 5.62 | 246.26 | 0.48 | 42.29 |
| 2.23  | 14.47 | 5.02 | 1.56 | 5.65 | 284.91 | 0.49 | 42.29 |
| 2.292 | 14.47 | 5.02 | 1.64 | 5.65 | 352.22 | 0.5  | 42.29 |
| 2.354 | 14.47 | 5.02 | 1.68 | 5.65 | 298.02 | 0.52 | 42.29 |
| 2.415 | 14.47 | 5.02 | 1.6  | 5.65 | 316.23 | 0.55 | 42.29 |
| 2.477 | 14.47 | 5.02 | 1.64 | 5.65 | 292.95 | 0.52 | 42.29 |
| 2.538 | 14.47 | 5.02 | 1.53 | 5.65 | 270.31 | 0.54 | 42.29 |
| 2.604 | 14.47 | 5.02 | 1.6  | 5.65 | 278.77 | 0.55 | 42.29 |
| 2.669 | 14.47 | 5.02 | 1.37 | 5.64 | 287.3  | 0.59 | 42.29 |
| 2.723 | 14.47 | 5.02 | 1.56 | 5.64 | 293.02 | 0.62 | 42.29 |
| 2.765 | 14.47 | 5.02 | 1.56 | 5.64 | 295.54 | 0.6  | 42.29 |
| 2.809 | 14.47 | 5.02 | 1.56 | 5.64 | 249.13 | 0.6  | 42.29 |
| 2.86  | 14.47 | 5.02 | 1.45 | 5.64 | 248.61 | 0.59 | 42.29 |
| 2.909 | 14.47 | 5.02 | 1.53 | 5.63 | 268.81 | 0.63 | 42.29 |
| 2.959 | 14.47 | 5.02 | 1.53 | 5.63 | 285.84 | 0.68 | 42.29 |
| 3.011 | 14.47 | 5.02 | 1.64 | 5.63 | 237.85 | 0.67 | 42.29 |
| 3.071 | 14.47 | 5.02 | 1.64 | 5.63 | 237.52 | 0.68 | 42.29 |
| 3.135 | 14.47 | 5.02 | 1.53 | 5.63 | 222.39 | 0.69 | 42.29 |
| 3.193 | 14.47 | 5.02 | 1.53 | 5.63 | 226.71 | 0.69 | 42.29 |
| 3.246 | 14.47 | 5.02 | 1.83 | 5.63 | 223.89 | 0.71 | 42.29 |
| 3.301 | 14.47 | 5.02 | 1.53 | 5.64 | 228.76 | 0.75 | 42.29 |
| 3.356 | 14.47 | 5.02 | 1.41 | 5.64 | 226.6  | 0.71 | 42.29 |
| 3.403 | 14.47 | 5.02 | 1.49 | 5.64 | 208.9  | 0.71 | 42.29 |
| 3.456 | 14.47 | 5.02 | 1.68 | 5.64 | 197.55 | 0.77 | 42.29 |
| 3.524 | 14.47 | 5.02 | 1.41 | 5.65 | 198.1  | 0.74 | 42.29 |
| 3.593 | 14.47 | 5.02 | 1.68 | 5.66 | 213.84 | 0.74 | 42.29 |
| 3.654 | 14.47 | 5.02 | 1.68 | 5.66 | 218.81 | 0.77 | 42.29 |
| 3.704 | 14.47 | 5.02 | 1.76 | 5.68 | 200.45 | 0.81 | 42.29 |
| 3.752 | 14.47 | 5.02 | 1.6  | 5.68 | 190.36 | 0.73 | 42.29 |
| 3.798 | 14.47 | 5.02 | 1.68 | 5.68 | 189.48 | 0.83 | 42.29 |
| 3.849 | 14.47 | 5.02 | 1.68 | 5.69 | 198.37 | 0.77 | 42.29 |
| 3.907 | 14.47 | 5.02 | 1.64 | 5.69 | 202.46 | 0.84 | 42.29 |
| 3.971 | 14.47 | 5.02 | 1.64 | 5.7  | 189.56 | 0.83 | 42.29 |
| 4.032 | 14.47 | 5.02 | 1.68 | 5.71 | 181.52 | 0.81 | 42.29 |
| 4.089 | 14.47 | 5.02 | 1.68 | 5.72 | 178.44 | 0.8  | 42.29 |
| 4.138 | 14.47 | 5.02 | 1.64 | 5.72 | 176.34 | 0.82 | 42.29 |
| 4.183 | 14.47 | 5.02 | 1.49 | 5.73 | 177.08 | 0.8  | 42.29 |
| 4.231 | 14.47 | 5.02 | 1.68 | 5.74 | 170.47 | 0.73 | 42.29 |
| 4.282 | 14.47 | 5.02 | 1.64 | 5.75 | 170.63 | 0.78 | 42.29 |
| 4.336 | 14.47 | 5.02 | 1.64 | 5.76 | 168.31 | 0.73 | 42.29 |
| 4.397 | 14.47 | 5.02 | 1.49 | 5.77 | 161.14 | 0.76 | 42.29 |
| 4.458 | 14.47 | 5.02 | 1.45 | 5.78 | 157.3  | 0.81 | 42.29 |
| 4.511 | 14.47 | 5.02 | 1.37 | 5.78 | 154.02 | 0.8  | 42.29 |
| 4.562 | 14.47 | 5.02 | 1.26 | 5.79 | 153.73 | 0.83 | 42.29 |
| 4.615 | 14.47 | 5.02 | 1.3  | 5.79 | 151.85 | 0.88 | 42.29 |
| 4.672 | 14.47 | 5.02 | 1.53 | 5.79 | 147.82 | 0.81 | 42.29 |
| 4.726 | 14.47 | 5.02 | 1.37 | 5.8  | 144.14 | 0.77 | 42.29 |
| 4.768 | 14.47 | 5.02 | 1.22 | 5.8  | 140.74 | 0.77 | 42.29 |
| 4.808 | 14.47 | 5.02 | 1.34 | 5.81 | 139.86 | 0.76 | 42.29 |
| 4.858 | 14.47 | 5.02 | 1.49 | 5.82 | 140.05 | 0.73 | 42.29 |
| 4.886 | 14.47 | 5.02 | 1.56 | 5.84 | 140.02 | 0.69 | 42.29 |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 4.892 | 14.47 | 5.02 | 1.37 | 5.86 | 137.04 | 0.65 | 42.29 |
| 4.893 | 14.47 | 5.02 | 1.49 | 5.88 | 137.61 | 0.63 | 42.29 |



### 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>        | 14.31         | 5.0                    | 0.57              | 6.5               | 119.88                         | 0.19                              | 42.18              |
| <b>PROF (metros)</b> | 4.709         | 3.979                  | 0.496             | 0.978             | 0.978                          | 1.557                             | 1.267              |
| <b>MÁXIMO</b>        | 15.21         | 15.21                  | 1.03              | 7.62              | 625.97                         | 0.79                              | 42.44              |
| <b>PROF (metros)</b> | 0.492         | 0.491                  | 0.491             | 6.508             | 3.979                          | 6.419                             | 0.486              |

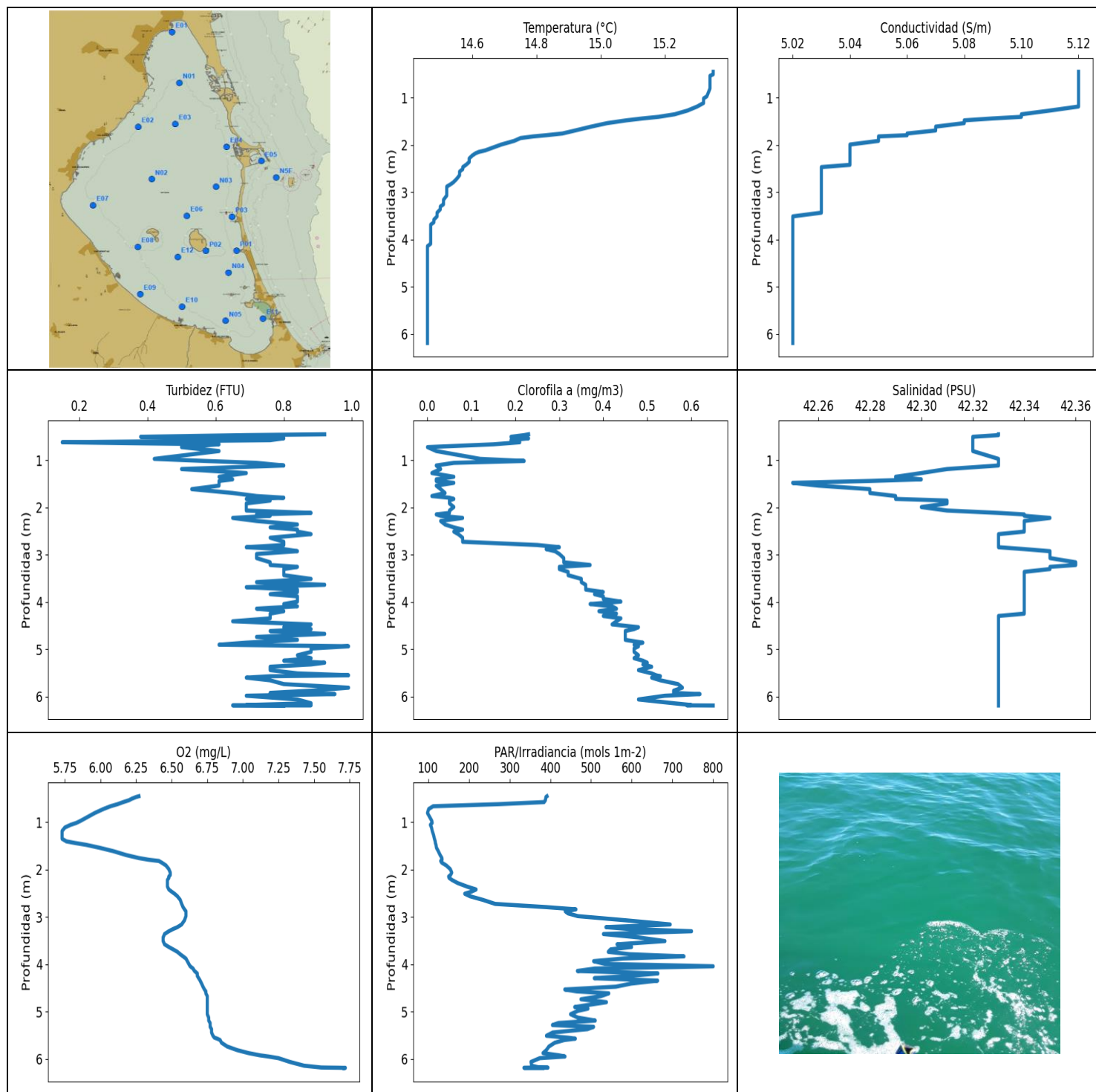
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 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                                                     | 15.12      | 5.1                 | 0.81           | 6.7            | 333.67                      | 0.33              | 42.33           |
| 1 - 2m                                                     | 14.82      | 5.05                | 0.85           | 6.74           | 132.34                      | 0.34              | 42.26           |
| 2 - 3m                                                     | 14.45      | 5.02                | 0.85           | 7.08           | 192.78                      | 0.38              | 42.32           |
| 3 - 4m                                                     | 14.35      | 5.01                | 0.82           | 7.14           | 459.14                      | 0.54              | 42.32           |
| 4 - 5m                                                     | 14.32      | 5.0                 | 0.77           | 7.13           | 460.33                      | 0.56              | 42.32           |
| 5 - 6m                                                     | 14.31      | 5.0                 | 0.77           | 7.13           | 398.51                      | 0.62              | 42.32           |
| 6 - 7m                                                     | 14.31      | 5.0                 | 0.8            | 7.46           | 350.78                      | 0.74              | 42.32           |

| 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) |
| 0.457                                                          | 15.03      | 5.08                | 0.84           | 6.84           | 500.51                      | 0.31              | 42.32           |
| 0.481                                                          | 15.05      | 5.09                | 0.72           | 6.82           | 507.4                       | 0.34              | 42.39           |
| 0.486                                                          | 15.09      | 5.1                 | 0.76           | 6.81           | 509.76                      | 0.32              | 42.44           |
| 0.491                                                          | 15.19      | 5.11                | 1.03           | 6.81           | 499.01                      | 0.34              | 42.34           |
| 0.492                                                          | 15.21      | 5.11                | 0.76           | 6.81           | 498.54                      | 0.36              | 42.34           |
| 0.496                                                          | 15.16      | 5.09                | 0.57           | 6.78           | 509.52                      | 0.3               | 42.26           |
| 0.596                                                          | 15.11      | 5.09                | 0.65           | 6.75           | 493.49                      | 0.28              | 42.31           |
| 0.64                                                           | 15.11      | 5.09                | 0.8            | 6.73           | 179.68                      | 0.34              | 42.32           |
| 0.729                                                          | 15.12      | 5.1                 | 1.03           | 6.65           | 129.11                      | 0.33              | 42.32           |
| 0.796                                                          | 15.13      | 5.1                 | 0.88           | 6.6            | 128.07                      | 0.34              | 42.32           |
| 0.861                                                          | 15.13      | 5.1                 | 0.76           | 6.55           | 129.71                      | 0.34              | 42.31           |
| 0.924                                                          | 15.13      | 5.1                 | 0.84           | 6.51           | 132.97                      | 0.3               | 42.31           |
| 0.978                                                          | 15.13      | 5.1                 | 0.88           | 6.5            | 119.88                      | 0.35              | 42.31           |
| 1.03                                                           | 15.13      | 5.1                 | 0.88           | 6.51           | 123.89                      | 0.33              | 42.32           |
| 1.098                                                          | 15.13      | 5.09                | 0.88           | 6.53           | 130.07                      | 0.33              | 42.31           |
| 1.172                                                          | 15.12      | 5.09                | 0.88           | 6.56           | 130.92                      | 0.35              | 42.29           |
| 1.225                                                          | 15.1       | 5.09                | 0.84           | 6.6            | 124.41                      | 0.34              | 42.25           |
| 1.267                                                          | 15.05      | 5.07                | 0.92           | 6.65           | 125.42                      | 0.35              | 42.18           |
| 1.319                                                          | 14.99      | 5.07                | 0.76           | 6.7            | 128.22                      | 0.36              | 42.21           |
| 1.365                                                          | 14.94      | 5.06                | 0.8            | 6.74           | 130.22                      | 0.35              | 42.2            |
| 1.415                                                          | 14.88      | 5.06                | 0.8            | 6.77           | 134.24                      | 0.36              | 42.21           |
| 1.481                                                          | 14.81      | 5.04                | 0.8            | 6.79           | 133.62                      | 0.37              | 42.18           |
| 1.557                                                          | 14.73      | 5.04                | 0.69           | 6.82           | 131.07                      | 0.19              | 42.19           |
| 1.632                                                          | 14.66      | 5.03                | 0.8            | 6.83           | 133.0                       | 0.32              | 42.23           |
| 1.697                                                          | 14.61      | 5.03                | 0.88           | 6.84           | 133.9                       | 0.31              | 42.26           |
| 1.75                                                           | 14.58      | 5.03                | 0.95           | 6.85           | 134.46                      | 0.34              | 42.29           |
| 1.801                                                          | 14.56      | 5.03                | 0.92           | 6.85           | 136.59                      | 0.36              | 42.31           |
| 1.864                                                          | 14.54      | 5.03                | 0.8            | 6.85           | 139.12                      | 0.36              | 42.31           |
| 1.928                                                          | 14.53      | 5.03                | 0.95           | 6.87           | 139.44                      | 0.37              | 42.31           |
| 1.989                                                          | 14.52      | 5.03                | 0.95           | 6.9            | 141.19                      | 0.36              | 42.32           |
| 2.047                                                          | 14.51      | 5.03                | 0.84           | 6.94           | 145.75                      | 0.35              | 42.33           |
| 2.1                                                            | 14.5       | 5.02                | 0.84           | 6.97           | 151.85                      | 0.37              | 42.32           |
| 2.139                                                          | 14.49      | 5.02                | 0.88           | 6.98           | 148.89                      | 0.36              | 42.32           |
| 2.175                                                          | 14.48      | 5.02                | 0.99           | 6.99           | 150.24                      | 0.32              | 42.32           |
| 2.228                                                          | 14.47      | 5.02                | 0.99           | 7.01           | 161.96                      | 0.35              | 42.32           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.298 | 14.46 | 5.02 | 0.8  | 7.02 | 161.47 | 0.38 | 42.32 |
| 2.376 | 14.46 | 5.02 | 0.84 | 7.05 | 170.63 | 0.34 | 42.32 |
| 2.431 | 14.45 | 5.02 | 0.92 | 7.06 | 179.06 | 0.36 | 42.32 |
| 2.463 | 14.45 | 5.02 | 0.76 | 7.08 | 180.39 | 0.39 | 42.32 |
| 2.506 | 14.44 | 5.02 | 0.76 | 7.1  | 180.39 | 0.26 | 42.33 |
| 2.55  | 14.44 | 5.02 | 0.8  | 7.13 | 187.12 | 0.39 | 42.32 |
| 2.595 | 14.44 | 5.02 | 0.88 | 7.14 | 184.45 | 0.39 | 42.32 |
| 2.664 | 14.43 | 5.02 | 0.84 | 7.15 | 205.15 | 0.41 | 42.32 |
| 2.74  | 14.43 | 5.02 | 0.72 | 7.16 | 235.16 | 0.4  | 42.32 |
| 2.8   | 14.42 | 5.01 | 0.88 | 7.16 | 249.36 | 0.41 | 42.32 |
| 2.834 | 14.41 | 5.01 | 0.84 | 7.16 | 240.23 | 0.45 | 42.32 |
| 2.872 | 14.41 | 5.01 | 0.92 | 7.15 | 241.79 | 0.43 | 42.32 |
| 2.941 | 14.4  | 5.01 | 0.88 | 7.15 | 296.23 | 0.46 | 42.3  |
| 3.016 | 14.39 | 5.01 | 0.69 | 7.13 | 299.26 | 0.45 | 42.29 |
| 3.076 | 14.38 | 5.01 | 0.92 | 7.13 | 318.22 | 0.48 | 42.3  |
| 3.134 | 14.37 | 5.01 | 0.99 | 7.13 | 314.99 | 0.48 | 42.31 |
| 3.189 | 14.36 | 5.01 | 0.99 | 7.13 | 383.14 | 0.48 | 42.32 |
| 3.24  | 14.35 | 5.01 | 0.95 | 7.13 | 385.63 | 0.49 | 42.32 |
| 3.292 | 14.35 | 5.01 | 0.8  | 7.13 | 418.8  | 0.47 | 42.32 |
| 3.345 | 14.35 | 5.01 | 0.76 | 7.13 | 430.51 | 0.48 | 42.32 |
| 3.398 | 14.35 | 5.01 | 0.8  | 7.14 | 466.46 | 0.52 | 42.32 |
| 3.437 | 14.35 | 5.01 | 0.88 | 7.15 | 454.09 | 0.51 | 42.32 |
| 3.469 | 14.35 | 5.01 | 0.8  | 7.14 | 456.09 | 0.56 | 42.32 |
| 3.506 | 14.35 | 5.01 | 0.99 | 7.14 | 546.97 | 0.53 | 42.32 |
| 3.56  | 14.34 | 5.01 | 0.92 | 7.15 | 524.38 | 0.58 | 42.32 |
| 3.613 | 14.34 | 5.01 | 0.76 | 7.15 | 466.68 | 0.57 | 42.32 |
| 3.647 | 14.34 | 5.01 | 0.76 | 7.15 | 508.46 | 0.56 | 42.32 |
| 3.68  | 14.34 | 5.01 | 0.76 | 7.16 | 523.05 | 0.57 | 42.32 |
| 3.728 | 14.34 | 5.01 | 0.72 | 7.16 | 503.07 | 0.59 | 42.32 |
| 3.773 | 14.34 | 5.01 | 0.72 | 7.16 | 536.93 | 0.61 | 42.32 |
| 3.797 | 14.34 | 5.01 | 0.92 | 7.15 | 519.66 | 0.57 | 42.32 |
| 3.824 | 14.34 | 5.01 | 0.72 | 7.14 | 418.7  | 0.55 | 42.32 |
| 3.871 | 14.34 | 5.01 | 0.76 | 7.14 | 455.56 | 0.6  | 42.32 |
| 3.929 | 14.34 | 5.01 | 0.72 | 7.13 | 544.44 | 0.55 | 42.32 |
| 3.979 | 14.34 | 5.0  | 0.76 | 7.13 | 625.97 | 0.59 | 42.32 |
| 4.027 | 14.34 | 5.0  | 0.72 | 7.12 | 550.54 | 0.57 | 42.32 |
| 4.086 | 14.33 | 5.0  | 0.88 | 7.12 | 441.12 | 0.59 | 42.32 |
| 4.149 | 14.33 | 5.0  | 0.8  | 7.12 | 422.6  | 0.61 | 42.32 |
| 4.208 | 14.33 | 5.0  | 0.72 | 7.13 | 472.88 | 0.55 | 42.32 |
| 4.259 | 14.32 | 5.0  | 0.69 | 7.13 | 534.81 | 0.58 | 42.32 |
| 4.31  | 14.32 | 5.0  | 0.84 | 7.14 | 468.41 | 0.61 | 42.32 |
| 4.367 | 14.32 | 5.0  | 0.8  | 7.14 | 476.07 | 0.6  | 42.32 |
| 4.424 | 14.32 | 5.0  | 0.8  | 7.14 | 445.54 | 0.6  | 42.32 |
| 4.468 | 14.32 | 5.0  | 0.76 | 7.13 | 458.42 | 0.58 | 42.32 |
| 4.514 | 14.32 | 5.0  | 0.76 | 7.13 | 456.62 | 0.56 | 42.32 |
| 4.569 | 14.32 | 5.0  | 0.76 | 7.13 | 487.46 | 0.57 | 42.32 |
| 4.621 | 14.32 | 5.0  | 0.76 | 7.12 | 443.17 | 0.55 | 42.32 |
| 4.666 | 14.32 | 5.0  | 0.72 | 7.12 | 463.55 | 0.53 | 42.32 |
| 4.709 | 14.31 | 5.0  | 0.88 | 7.14 | 464.3  | 0.54 | 42.32 |
| 4.744 | 14.31 | 5.0  | 0.84 | 7.14 | 430.71 | 0.51 | 42.32 |
| 4.784 | 14.31 | 5.0  | 0.69 | 7.13 | 398.81 | 0.54 | 42.32 |
| 4.851 | 14.31 | 5.0  | 0.8  | 7.13 | 439.89 | 0.56 | 42.32 |
| 4.921 | 14.31 | 5.0  | 0.69 | 7.13 | 454.82 | 0.51 | 42.32 |
| 4.976 | 14.31 | 5.0  | 0.72 | 7.13 | 436.54 | 0.53 | 42.32 |
| 5.025 | 14.31 | 5.0  | 0.72 | 7.13 | 411.49 | 0.57 | 42.32 |
| 5.084 | 14.31 | 5.0  | 0.84 | 7.12 | 408.64 | 0.56 | 42.32 |
| 5.151 | 14.31 | 5.0  | 0.92 | 7.12 | 452.93 | 0.59 | 42.32 |
| 5.211 | 14.31 | 5.0  | 0.72 | 7.12 | 467.76 | 0.58 | 42.32 |

|       |       |     |      |      |        |      |       |
|-------|-------|-----|------|------|--------|------|-------|
| 5.259 | 14.31 | 5.0 | 0.88 | 7.12 | 436.74 | 0.57 | 42.32 |
| 5.307 | 14.31 | 5.0 | 0.76 | 7.11 | 409.02 | 0.56 | 42.32 |
| 5.356 | 14.31 | 5.0 | 0.72 | 7.11 | 391.4  | 0.58 | 42.32 |
| 5.42  | 14.31 | 5.0 | 0.76 | 7.1  | 403.55 | 0.62 | 42.32 |
| 5.498 | 14.31 | 5.0 | 0.84 | 7.1  | 428.22 | 0.62 | 42.32 |
| 5.564 | 14.31 | 5.0 | 0.72 | 7.11 | 384.47 | 0.64 | 42.32 |
| 5.6   | 14.31 | 5.0 | 0.65 | 7.11 | 370.05 | 0.65 | 42.32 |
| 5.625 | 14.31 | 5.0 | 0.72 | 7.12 | 379.43 | 0.67 | 42.32 |
| 5.659 | 14.31 | 5.0 | 0.8  | 7.12 | 416.77 | 0.63 | 42.32 |
| 5.715 | 14.31 | 5.0 | 0.8  | 7.13 | 397.71 | 0.65 | 42.32 |
| 5.774 | 14.31 | 5.0 | 0.84 | 7.14 | 384.65 | 0.61 | 42.32 |
| 5.817 | 14.31 | 5.0 | 0.84 | 7.14 | 384.92 | 0.67 | 42.32 |
| 5.858 | 14.31 | 5.0 | 0.69 | 7.15 | 388.77 | 0.64 | 42.32 |
| 5.899 | 14.31 | 5.0 | 0.69 | 7.16 | 361.74 | 0.65 | 42.32 |
| 5.935 | 14.31 | 5.0 | 0.8  | 7.18 | 360.31 | 0.68 | 42.32 |
| 5.963 | 14.31 | 5.0 | 0.72 | 7.21 | 370.91 | 0.67 | 42.32 |
| 5.988 | 14.31 | 5.0 | 0.8  | 7.23 | 359.31 | 0.67 | 42.32 |
| 6.013 | 14.31 | 5.0 | 0.8  | 7.25 | 368.59 | 0.7  | 42.32 |
| 6.045 | 14.31 | 5.0 | 0.84 | 7.27 | 360.98 | 0.7  | 42.32 |
| 6.093 | 14.31 | 5.0 | 0.84 | 7.3  | 370.91 | 0.66 | 42.32 |
| 6.142 | 14.31 | 5.0 | 0.88 | 7.32 | 366.12 | 0.73 | 42.32 |
| 6.18  | 14.31 | 5.0 | 0.88 | 7.35 | 367.91 | 0.72 | 42.32 |
| 6.223 | 14.31 | 5.0 | 0.72 | 7.38 | 360.56 | 0.74 | 42.32 |
| 6.277 | 14.31 | 5.0 | 0.8  | 7.43 | 348.0  | 0.76 | 42.32 |
| 6.332 | 14.31 | 5.0 | 0.88 | 7.47 | 345.27 | 0.73 | 42.32 |
| 6.383 | 14.31 | 5.0 | 0.84 | 7.53 | 349.29 | 0.72 | 42.32 |
| 6.419 | 14.31 | 5.0 | 0.8  | 7.56 | 370.39 | 0.79 | 42.32 |
| 6.438 | 14.31 | 5.0 | 0.92 | 7.58 | 345.27 | 0.74 | 42.32 |
| 6.48  | 14.31 | 5.0 | 0.8  | 7.61 | 322.45 | 0.75 | 42.32 |
| 6.508 | 14.31 | 5.0 | 0.69 | 7.62 | 304.02 | 0.72 | 42.33 |
| 6.513 | 14.31 | 5.0 | 0.72 | 7.59 | 353.12 | 0.75 | 42.32 |
| 6.516 | 14.31 | 5.0 | 0.69 | 7.55 | 376.8  | 0.75 | 42.32 |
| 6.518 | 14.32 | 5.0 | 0.88 | 7.51 | 338.38 | 0.79 | 42.32 |
| 6.521 | 14.32 | 5.0 | 0.69 | 7.47 | 315.14 | 0.75 | 42.32 |



### 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>        | 14.46         | 5.02                   | 0.15              | 5.73              | 98.22                          | 0.0                               | 42.25              |
| <b>PROF (metros)</b> | 4.14          | 3.509                  | 0.618             | 1.185             | 0.804                          | 0.721                             | 1.477              |
| <b>MÁXIMO</b>        | 15.35         | 15.35                  | 0.99              | 7.72              | 800.11                         | 0.65                              | 42.36              |
| <b>PROF (metros)</b> | 0.45          | 0.45                   | 4.935             | 6.186             | 4.041                          | 6.188                             | 3.158              |

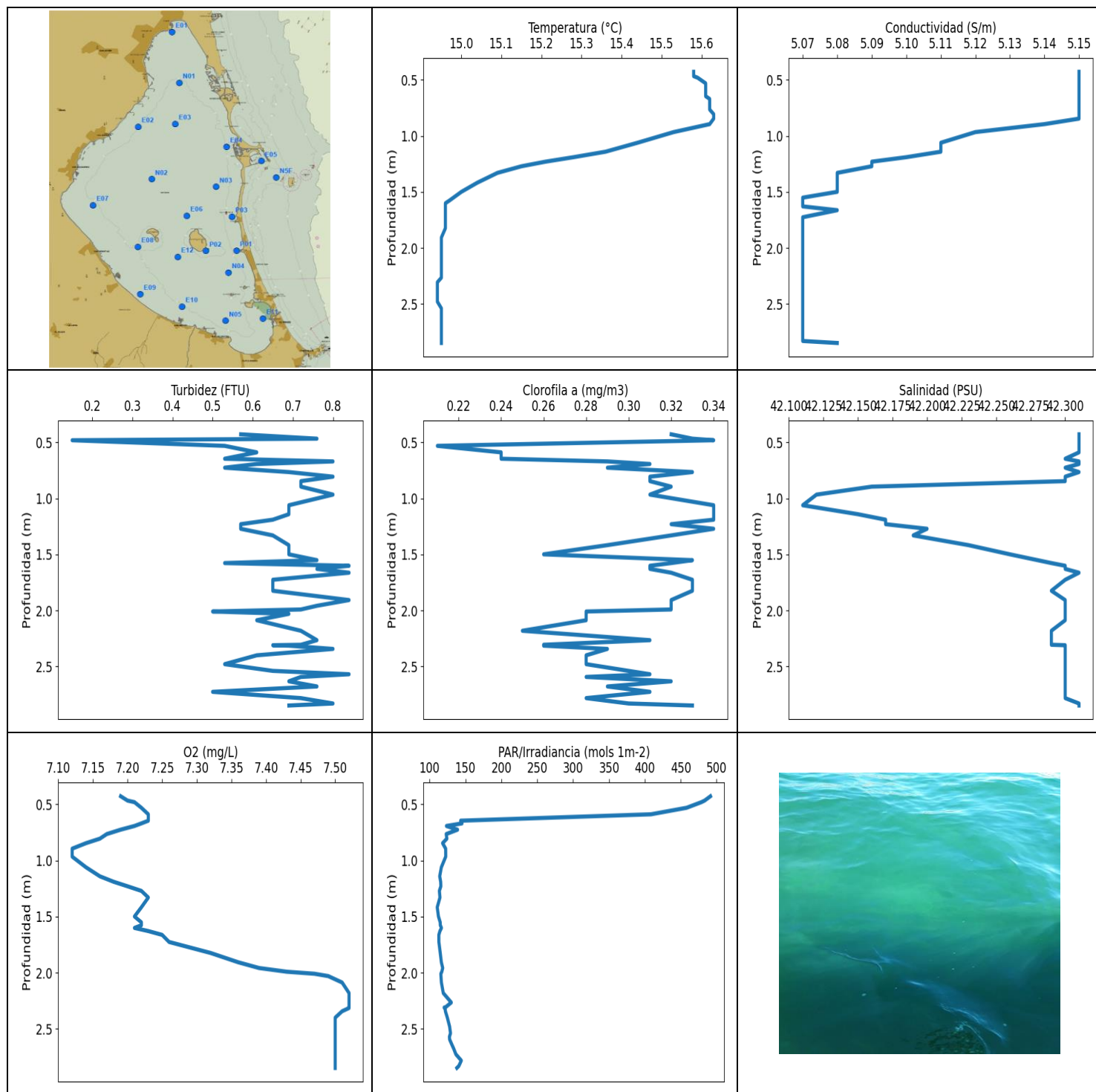
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 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                                                     | 15.34      | 5.12                | 0.58           | 6.11           | 263.55                      | 0.16              | 42.32           |
| 1 - 2m                                                     | 15.04      | 5.08                | 0.66           | 6.04           | 123.38                      | 0.05              | 42.3            |
| 2 - 3m                                                     | 14.57      | 5.03                | 0.78           | 6.53           | 258.7                       | 0.12              | 42.34           |
| 3 - 4m                                                     | 14.49      | 5.02                | 0.8            | 6.53           | 598.72                      | 0.35              | 42.34           |
| 4 - 5m                                                     | 14.46      | 5.02                | 0.79           | 6.71           | 540.01                      | 0.44              | 42.33           |
| 5 - 6m                                                     | 14.46      | 5.02                | 0.83           | 6.88           | 431.42                      | 0.52              | 42.33           |
| 6 - 7m                                                     | 14.46      | 5.02                | 0.77           | 7.59           | 359.37                      | 0.58              | 42.33           |

| 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) |
| 0.45                                                           | 15.35      | 5.12                | 0.92           | 6.27           | 391.85                      | 0.23              | 42.33           |
| 0.467                                                          | 15.35      | 5.12                | 0.69           | 6.25           | 389.22                      | 0.22              | 42.33           |
| 0.503                                                          | 15.35      | 5.12                | 0.38           | 6.22           | 388.5                       | 0.19              | 42.32           |
| 0.535                                                          | 15.34      | 5.12                | 0.8            | 6.2            | 387.87                      | 0.23              | 42.32           |
| 0.574                                                          | 15.34      | 5.12                | 0.76           | 6.16           | 384.74                      | 0.19              | 42.32           |
| 0.618                                                          | 15.34      | 5.12                | 0.15           | 6.12           | 272.83                      | 0.21              | 42.32           |
| 0.662                                                          | 15.34      | 5.12                | 0.61           | 6.07           | 112.19                      | 0.15              | 42.32           |
| 0.721                                                          | 15.34      | 5.12                | 0.5            | 6.02           | 101.22                      | 0.0               | 42.32           |
| 0.804                                                          | 15.34      | 5.12                | 0.61           | 5.96           | 98.22                       | 0.02              | 42.32           |
| 0.97                                                           | 15.33      | 5.12                | 0.42           | 5.86           | 108.84                      | 0.12              | 42.33           |
| 1.014                                                          | 15.32      | 5.12                | 0.57           | 5.83           | 109.83                      | 0.22              | 42.33           |
| 1.054                                                          | 15.32      | 5.12                | 0.72           | 5.79           | 105.36                      | 0.06              | 42.33           |
| 1.11                                                           | 15.32      | 5.12                | 0.8            | 5.75           | 108.16                      | 0.02              | 42.33           |
| 1.185                                                          | 15.3       | 5.12                | 0.5            | 5.73           | 109.95                      | 0.03              | 42.31           |
| 1.27                                                           | 15.27      | 5.11                | 0.69           | 5.73           | 113.24                      | 0.01              | 42.3            |
| 1.349                                                          | 15.23      | 5.1                 | 0.61           | 5.73           | 115.38                      | 0.06              | 42.29           |
| 1.403                                                          | 15.18      | 5.1                 | 0.65           | 5.76           | 117.24                      | 0.02              | 42.3            |
| 1.437                                                          | 15.13      | 5.09                | 0.61           | 5.82           | 117.62                      | 0.02              | 42.28           |
| 1.477                                                          | 15.08      | 5.08                | 0.61           | 5.9            | 119.22                      | 0.06              | 42.25           |
| 1.536                                                          | 15.02      | 5.08                | 0.61           | 5.99           | 120.24                      | 0.02              | 42.26           |
| 1.61                                                           | 14.97      | 5.07                | 0.53           | 6.09           | 124.82                      | 0.03              | 42.28           |
| 1.692                                                          | 14.92      | 5.07                | 0.65           | 6.18           | 129.35                      | 0.04              | 42.28           |
| 1.756                                                          | 14.88      | 5.06                | 0.72           | 6.27           | 133.77                      | 0.01              | 42.29           |
| 1.792                                                          | 14.83      | 5.06                | 0.8            | 6.34           | 134.11                      | 0.05              | 42.29           |
| 1.817                                                          | 14.79      | 5.05                | 0.69           | 6.41           | 130.65                      | 0.06              | 42.29           |
| 1.852                                                          | 14.75      | 5.05                | 0.76           | 6.43           | 133.18                      | 0.05              | 42.31           |
| 1.912                                                          | 14.73      | 5.05                | 0.69           | 6.46           | 144.51                      | 0.05              | 42.31           |
| 1.989                                                          | 14.69      | 5.04                | 0.69           | 6.48           | 154.23                      | 0.06              | 42.3            |
| 2.063                                                          | 14.66      | 5.04                | 0.69           | 6.49           | 157.92                      | 0.05              | 42.31           |
| 2.113                                                          | 14.64      | 5.04                | 0.88           | 6.49           | 154.91                      | 0.05              | 42.33           |
| 2.145                                                          | 14.62      | 5.04                | 0.72           | 6.48           | 150.24                      | 0.02              | 42.34           |
| 2.174                                                          | 14.61      | 5.04                | 0.76           | 6.48           | 151.26                      | 0.03              | 42.34           |
| 2.219                                                          | 14.6       | 5.04                | 0.65           | 6.47           | 158.65                      | 0.08              | 42.35           |
| 2.284                                                          | 14.59      | 5.04                | 0.72           | 6.47           | 172.66                      | 0.03              | 42.34           |
| 2.358                                                          | 14.59      | 5.04                | 0.84           | 6.47           | 195.5                       | 0.04              | 42.34           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.419 | 14.58 | 5.04 | 0.76 | 6.48 | 217.64 | 0.06 | 42.34 |
| 2.466 | 14.57 | 5.03 | 0.84 | 6.5  | 205.82 | 0.08 | 42.34 |
| 2.509 | 14.57 | 5.03 | 0.84 | 6.52 | 189.74 | 0.06 | 42.34 |
| 2.562 | 14.56 | 5.03 | 0.88 | 6.54 | 202.65 | 0.07 | 42.33 |
| 2.638 | 14.56 | 5.03 | 0.76 | 6.56 | 234.13 | 0.08 | 42.33 |
| 2.724 | 14.55 | 5.03 | 0.8  | 6.57 | 264.61 | 0.08 | 42.33 |
| 2.792 | 14.54 | 5.03 | 0.8  | 6.58 | 390.58 | 0.25 | 42.33 |
| 2.839 | 14.53 | 5.03 | 0.69 | 6.59 | 462.91 | 0.3  | 42.33 |
| 2.879 | 14.52 | 5.03 | 0.8  | 6.6  | 436.64 | 0.27 | 42.34 |
| 2.923 | 14.52 | 5.03 | 0.84 | 6.6  | 443.17 | 0.29 | 42.35 |
| 2.982 | 14.52 | 5.03 | 0.72 | 6.6  | 467.54 | 0.3  | 42.35 |
| 3.069 | 14.52 | 5.03 | 0.72 | 6.59 | 583.65 | 0.31 | 42.35 |
| 3.158 | 14.51 | 5.03 | 0.76 | 6.57 | 694.46 | 0.31 | 42.36 |
| 3.215 | 14.51 | 5.03 | 0.76 | 6.54 | 536.55 | 0.37 | 42.36 |
| 3.254 | 14.51 | 5.03 | 0.84 | 6.51 | 593.33 | 0.3  | 42.35 |
| 3.301 | 14.5  | 5.03 | 0.8  | 6.48 | 746.88 | 0.3  | 42.35 |
| 3.36  | 14.5  | 5.03 | 0.8  | 6.45 | 530.49 | 0.32 | 42.34 |
| 3.431 | 14.49 | 5.03 | 0.8  | 6.44 | 615.61 | 0.32 | 42.34 |
| 3.509 | 14.49 | 5.02 | 0.88 | 6.44 | 681.54 | 0.35 | 42.34 |
| 3.578 | 14.48 | 5.02 | 0.72 | 6.45 | 563.84 | 0.35 | 42.34 |
| 3.634 | 14.48 | 5.02 | 0.92 | 6.48 | 599.55 | 0.36 | 42.34 |
| 3.684 | 14.47 | 5.02 | 0.69 | 6.51 | 548.12 | 0.36 | 42.34 |
| 3.736 | 14.47 | 5.02 | 0.84 | 6.54 | 542.43 | 0.36 | 42.34 |
| 3.787 | 14.47 | 5.02 | 0.84 | 6.56 | 595.12 | 0.4  | 42.34 |
| 3.832 | 14.47 | 5.02 | 0.76 | 6.58 | 728.42 | 0.38 | 42.34 |
| 3.878 | 14.47 | 5.02 | 0.84 | 6.6  | 578.26 | 0.4  | 42.34 |
| 3.933 | 14.47 | 5.02 | 0.84 | 6.61 | 506.35 | 0.4  | 42.34 |
| 3.99  | 14.47 | 5.02 | 0.84 | 6.62 | 533.7  | 0.44 | 42.34 |
| 4.041 | 14.47 | 5.02 | 0.8  | 6.63 | 800.11 | 0.37 | 42.34 |
| 4.089 | 14.47 | 5.02 | 0.84 | 6.65 | 509.17 | 0.42 | 42.34 |
| 4.14  | 14.46 | 5.02 | 0.72 | 6.66 | 466.46 | 0.43 | 42.34 |
| 4.192 | 14.46 | 5.02 | 0.8  | 6.68 | 664.38 | 0.39 | 42.34 |
| 4.245 | 14.46 | 5.02 | 0.76 | 6.68 | 594.43 | 0.43 | 42.34 |
| 4.293 | 14.46 | 5.02 | 0.76 | 6.69 | 507.99 | 0.4  | 42.33 |
| 4.344 | 14.46 | 5.02 | 0.76 | 6.7  | 663.62 | 0.44 | 42.33 |
| 4.406 | 14.46 | 5.02 | 0.65 | 6.71 | 598.72 | 0.43 | 42.33 |
| 4.472 | 14.46 | 5.02 | 0.88 | 6.72 | 560.97 | 0.42 | 42.33 |
| 4.531 | 14.46 | 5.02 | 0.8  | 6.73 | 435.53 | 0.48 | 42.33 |
| 4.571 | 14.46 | 5.02 | 0.88 | 6.74 | 464.63 | 0.47 | 42.33 |
| 4.612 | 14.46 | 5.02 | 0.76 | 6.74 | 543.69 | 0.45 | 42.33 |
| 4.672 | 14.46 | 5.02 | 0.92 | 6.75 | 524.14 | 0.45 | 42.33 |
| 4.737 | 14.46 | 5.02 | 0.72 | 6.75 | 475.3  | 0.45 | 42.33 |
| 4.799 | 14.46 | 5.02 | 0.84 | 6.75 | 537.92 | 0.45 | 42.33 |
| 4.858 | 14.46 | 5.02 | 0.69 | 6.75 | 492.91 | 0.49 | 42.33 |
| 4.902 | 14.46 | 5.02 | 0.61 | 6.75 | 459.91 | 0.47 | 42.33 |
| 4.935 | 14.46 | 5.02 | 0.99 | 6.75 | 492.46 | 0.48 | 42.33 |
| 4.982 | 14.46 | 5.02 | 0.88 | 6.75 | 467.87 | 0.47 | 42.33 |
| 5.053 | 14.46 | 5.02 | 0.88 | 6.75 | 449.69 | 0.47 | 42.33 |
| 5.125 | 14.46 | 5.02 | 0.84 | 6.76 | 467.65 | 0.48 | 42.33 |
| 5.187 | 14.46 | 5.02 | 0.88 | 6.76 | 510.35 | 0.47 | 42.33 |
| 5.239 | 14.46 | 5.02 | 0.8  | 6.77 | 419.97 | 0.49 | 42.33 |
| 5.282 | 14.46 | 5.02 | 0.92 | 6.77 | 405.24 | 0.5  | 42.33 |
| 5.319 | 14.46 | 5.02 | 0.88 | 6.77 | 506.35 | 0.49 | 42.33 |
| 5.368 | 14.46 | 5.02 | 0.76 | 6.78 | 491.43 | 0.51 | 42.33 |
| 5.439 | 14.46 | 5.02 | 0.76 | 6.78 | 405.99 | 0.48 | 42.33 |
| 5.508 | 14.46 | 5.02 | 0.84 | 6.79 | 390.49 | 0.51 | 42.33 |
| 5.548 | 14.46 | 5.02 | 0.99 | 6.8  | 442.86 | 0.52 | 42.33 |
| 5.569 | 14.46 | 5.02 | 0.76 | 6.82 | 461.51 | 0.53 | 42.33 |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 5.598 | 14.46 | 5.02 | 0.69 | 6.84 | 434.32 | 0.51 | 42.33 |
| 5.655 | 14.46 | 5.02 | 0.76 | 6.85 | 410.92 | 0.53 | 42.33 |
| 5.735 | 14.46 | 5.02 | 0.8  | 6.89 | 396.6  | 0.57 | 42.33 |
| 5.811 | 14.46 | 5.02 | 0.99 | 6.96 | 390.22 | 0.58 | 42.33 |
| 5.874 | 14.46 | 5.02 | 0.88 | 7.04 | 382.07 | 0.56 | 42.33 |
| 5.921 | 14.46 | 5.02 | 0.76 | 7.12 | 421.24 | 0.56 | 42.33 |
| 5.946 | 14.46 | 5.02 | 0.95 | 7.18 | 436.04 | 0.62 | 42.33 |
| 5.981 | 14.46 | 5.02 | 0.69 | 7.25 | 374.01 | 0.54 | 42.33 |
| 6.06  | 14.46 | 5.02 | 0.84 | 7.33 | 352.47 | 0.48 | 42.33 |
| 6.14  | 14.46 | 5.02 | 0.88 | 7.43 | 354.35 | 0.56 | 42.33 |
| 6.178 | 14.46 | 5.02 | 0.69 | 7.55 | 372.63 | 0.6  | 42.33 |
| 6.181 | 14.46 | 5.02 | 0.72 | 7.61 | 394.22 | 0.6  | 42.33 |
| 6.183 | 14.46 | 5.02 | 0.88 | 7.67 | 347.12 | 0.59 | 42.33 |
| 6.185 | 14.46 | 5.02 | 0.65 | 7.7  | 335.18 | 0.59 | 42.33 |
| 6.186 | 14.46 | 5.02 | 0.72 | 7.72 | 337.36 | 0.61 | 42.33 |
| 6.188 | 14.46 | 5.02 | 0.8  | 7.71 | 381.63 | 0.65 | 42.33 |



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

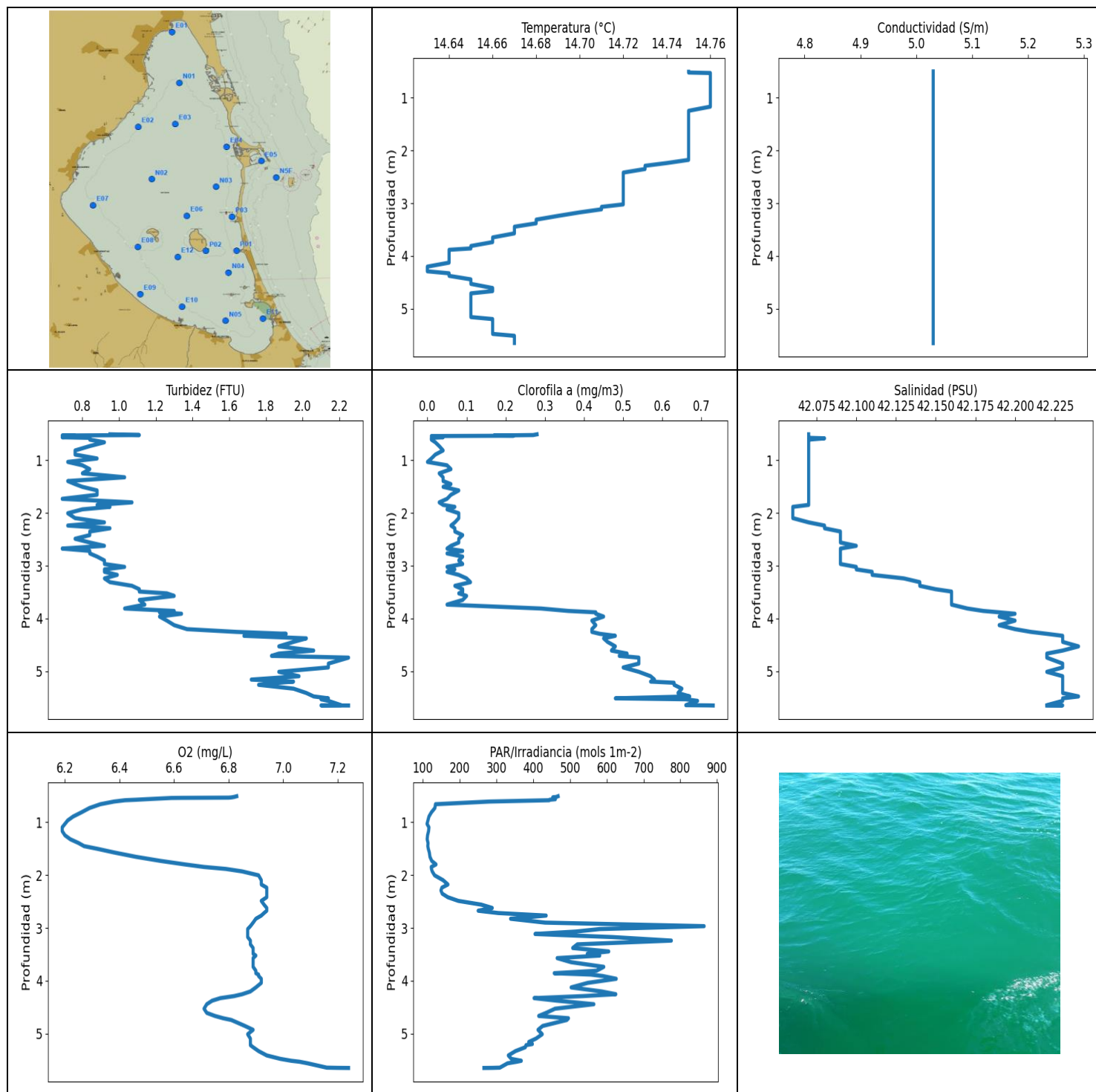
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m³) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|----------------------|--------------------|
| <b>MÍNIMO</b>        | 14.94         | 5.07                   | 0.15              | 7.12              | 110.51                         | 0.21                 | 42.11              |
| <b>PROF (metros)</b> | 2.306         | 1.551                  | 0.481             | 0.895             | 1.417                          | 0.531                | 1.061              |
| <b>MÁXIMO</b>        | 15.63         | 15.63                  | 0.84              | 7.52              | 491.55                         | 0.34                 | 42.31              |
| <b>PROF (metros)</b> | 0.806         | 0.428                  | 1.601             | 2.181             | 0.428                          | 0.481                | 0.428              |

| 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                                                     | 15.61      | 5.15                | 0.63           | 7.19           | 248.6                       | 0.3               | 42.28           |
| 1 - 2m                                                     | 15.07      | 5.08                | 0.7            | 7.25           | 114.63                      | 0.32              | 42.25           |
| 2 - 3m                                                     | 14.95      | 5.07                | 0.68           | 7.5            | 127.11                      | 0.29              | 42.3            |

| 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) |
| 0.428                                                          | 15.58      | 5.15                | 0.57           | 7.19           | 491.55                      | 0.32              | 42.31           |
| 0.467                                                          | 15.58      | 5.15                | 0.76           | 7.2            | 483.3                       | 0.33              | 42.31           |
| 0.481                                                          | 15.59      | 5.15                | 0.15           | 7.21           | 478.84                      | 0.34              | 42.31           |
| 0.531                                                          | 15.61      | 5.15                | 0.53           | 7.22           | 458.21                      | 0.21              | 42.31           |
| 0.589                                                          | 15.61      | 5.15                | 0.61           | 7.23           | 408.54                      | 0.24              | 42.31           |
| 0.646                                                          | 15.61      | 5.15                | 0.53           | 7.23           | 143.17                      | 0.24              | 42.3            |
| 0.67                                                           | 15.62      | 5.15                | 0.8            | 7.22           | 145.04                      | 0.29              | 42.31           |
| 0.693                                                          | 15.62      | 5.15                | 0.61           | 7.21           | 123.35                      | 0.31              | 42.31           |
| 0.726                                                          | 15.62      | 5.15                | 0.53           | 7.19           | 138.89                      | 0.29              | 42.3            |
| 0.765                                                          | 15.62      | 5.15                | 0.69           | 7.17           | 123.01                      | 0.33              | 42.31           |
| 0.806                                                          | 15.63      | 5.15                | 0.8            | 7.16           | 123.95                      | 0.31              | 42.3            |
| 0.846                                                          | 15.63      | 5.15                | 0.72           | 7.14           | 117.98                      | 0.31              | 42.3            |
| 0.895                                                          | 15.62      | 5.14                | 0.72           | 7.12           | 122.27                      | 0.32              | 42.16           |
| 0.966                                                          | 15.53      | 5.12                | 0.8            | 7.12           | 122.35                      | 0.31              | 42.12           |
| 1.061                                                          | 15.44      | 5.11                | 0.69           | 7.14           | 116.24                      | 0.34              | 42.11           |
| 1.141                                                          | 15.36      | 5.11                | 0.69           | 7.16           | 113.97                      | 0.34              | 42.15           |
| 1.19                                                           | 15.28      | 5.1                 | 0.65           | 7.18           | 115.3                       | 0.34              | 42.17           |
| 1.23                                                           | 15.21      | 5.09                | 0.57           | 7.2            | 115.54                      | 0.32              | 42.17           |
| 1.271                                                          | 15.15      | 5.09                | 0.57           | 7.22           | 113.5                       | 0.34              | 42.2            |
| 1.33                                                           | 15.09      | 5.08                | 0.65           | 7.23           | 114.29                      | 0.32              | 42.19           |
| 1.417                                                          | 15.04      | 5.08                | 0.69           | 7.22           | 110.51                      | 0.29              | 42.23           |
| 1.499                                                          | 15.0       | 5.08                | 0.69           | 7.21           | 112.22                      | 0.26              | 42.26           |
| 1.551                                                          | 14.98      | 5.07                | 0.76           | 7.22           | 114.66                      | 0.33              | 42.28           |
| 1.577                                                          | 14.97      | 5.07                | 0.53           | 7.22           | 114.82                      | 0.32              | 42.29           |
| 1.601                                                          | 14.96      | 5.07                | 0.84           | 7.21           | 116.4                       | 0.31              | 42.3            |
| 1.629                                                          | 14.96      | 5.07                | 0.76           | 7.23           | 114.27                      | 0.31              | 42.3            |
| 1.663                                                          | 14.96      | 5.08                | 0.84           | 7.25           | 112.74                      | 0.32              | 42.31           |
| 1.726                                                          | 14.96      | 5.07                | 0.65           | 7.26           | 112.79                      | 0.33              | 42.3            |
| 1.824                                                          | 14.96      | 5.07                | 0.65           | 7.32           | 114.72                      | 0.33              | 42.29           |
| 1.907                                                          | 14.95      | 5.07                | 0.84           | 7.36           | 116.27                      | 0.32              | 42.3            |
| 1.958                                                          | 14.95      | 5.07                | 0.76           | 7.39           | 118.14                      | 0.32              | 42.3            |
| 1.991                                                          | 14.95      | 5.07                | 0.72           | 7.43           | 116.89                      | 0.32              | 42.3            |
| 2.009                                                          | 14.95      | 5.07                | 0.5            | 7.47           | 115.57                      | 0.28              | 42.3            |
| 2.03                                                           | 14.95      | 5.07                | 0.69           | 7.49           | 115.73                      | 0.28              | 42.3            |
| 2.087                                                          | 14.95      | 5.07                | 0.61           | 7.51           | 116.32                      | 0.28              | 42.3            |
| 2.181                                                          | 14.95      | 5.07                | 0.72           | 7.52           | 118.94                      | 0.25              | 42.29           |
| 2.265                                                          | 14.95      | 5.07                | 0.76           | 7.52           | 130.13                      | 0.31              | 42.29           |
| 2.306                                                          | 14.94      | 5.07                | 0.72           | 7.52           | 122.3                       | 0.26              | 42.29           |
| 2.31                                                           | 14.94      | 5.07                | 0.65           | 7.52           | 120.13                      | 0.26              | 42.3            |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.314 | 14.94 | 5.07 | 0.69 | 7.52 | 121.48 | 0.26 | 42.3  |
| 2.343 | 14.94 | 5.07 | 0.8  | 7.51 | 121.9  | 0.29 | 42.3  |
| 2.4   | 14.94 | 5.07 | 0.61 | 7.5  | 124.61 | 0.28 | 42.3  |
| 2.479 | 14.94 | 5.07 | 0.53 | 7.5  | 127.77 | 0.28 | 42.3  |
| 2.539 | 14.95 | 5.07 | 0.65 | 7.5  | 129.02 | 0.3  | 42.3  |
| 2.569 | 14.95 | 5.07 | 0.84 | 7.5  | 127.53 | 0.31 | 42.3  |
| 2.593 | 14.95 | 5.07 | 0.72 | 7.5  | 127.74 | 0.28 | 42.3  |
| 2.632 | 14.95 | 5.07 | 0.69 | 7.5  | 130.37 | 0.32 | 42.3  |
| 2.678 | 14.95 | 5.07 | 0.76 | 7.5  | 133.59 | 0.29 | 42.3  |
| 2.726 | 14.95 | 5.07 | 0.5  | 7.5  | 136.53 | 0.31 | 42.3  |
| 2.782 | 14.95 | 5.07 | 0.72 | 7.5  | 144.07 | 0.28 | 42.3  |
| 2.83  | 14.95 | 5.07 | 0.8  | 7.5  | 140.64 | 0.3  | 42.31 |
| 2.848 | 14.95 | 5.08 | 0.69 | 7.5  | 137.9  | 0.33 | 42.31 |



### 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>        | 14.63         | 5.03                   | 0.69              | 6.19              | 111.54                         | 0.0                               | 42.06              |
| <b>PROF (metros)</b> | 4.201         | 0.511                  | 0.534             | 1.098             | 1.034                          | 1.034                             | 1.885              |
| <b>MÁXIMO</b>        | 14.76         | 14.76                  | 2.25              | 7.24              | 864.71                         | 0.73                              | 42.24              |
| <b>PROF (metros)</b> | 0.534         | 0.511                  | 4.74              | 5.647             | 2.967                          | 5.647                             | 4.527              |

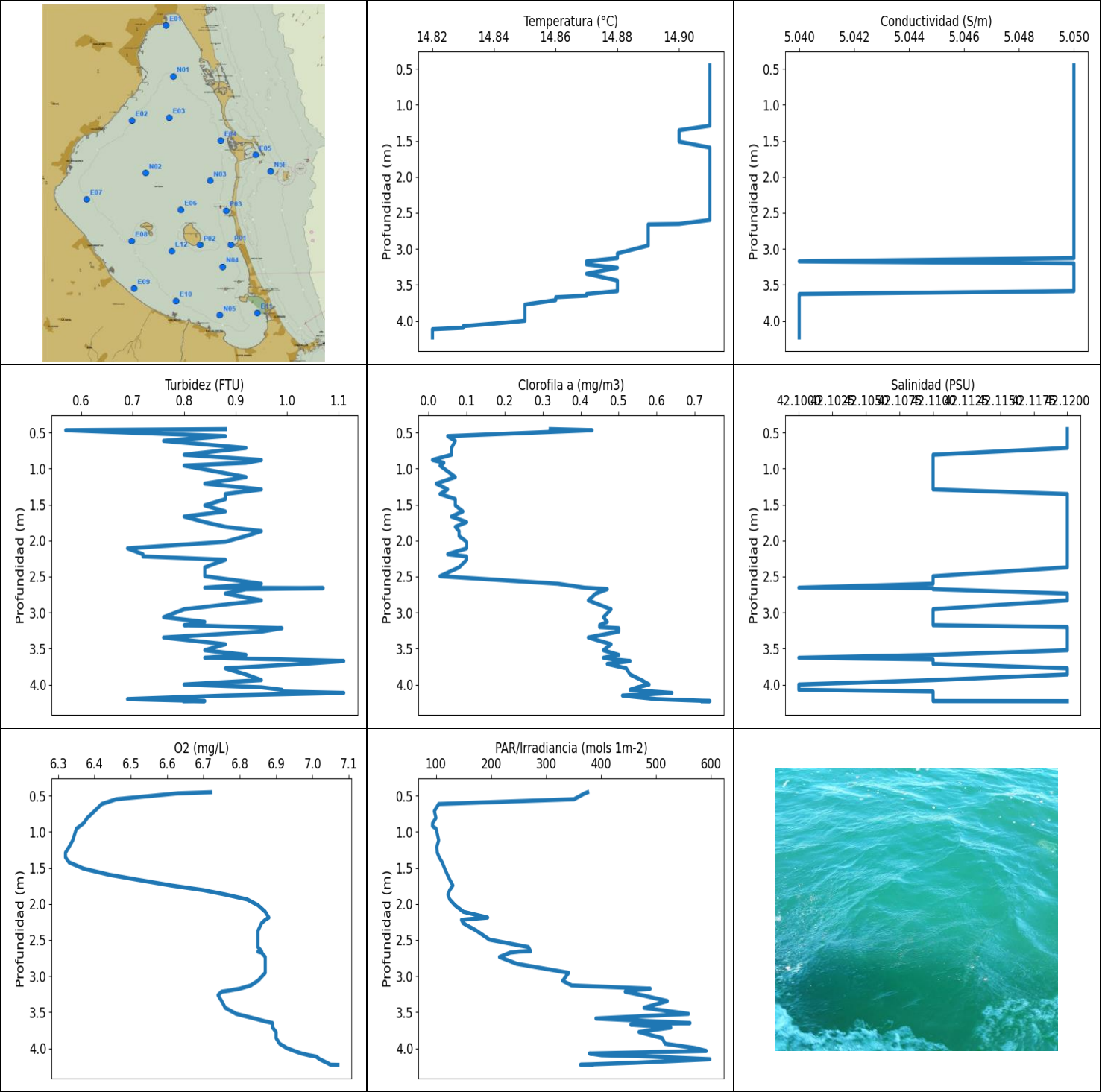
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N05 - Punto 013                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.76      | 5.03                | 0.83           | 6.5            | 333.51                      | 0.08              | 42.07           |
| 1 - 2m                                                     | 14.75      | 5.03                | 0.84           | 6.42           | 118.76                      | 0.05              | 42.07           |
| 2 - 3m                                                     | 14.73      | 5.03                | 0.83           | 6.92           | 278.06                      | 0.07              | 42.09           |
| 3 - 4m                                                     | 14.67      | 5.03                | 1.11           | 6.89           | 556.3                       | 0.17              | 42.15           |
| 4 - 5m                                                     | 14.64      | 5.03                | 1.82           | 6.81           | 491.07                      | 0.47              | 42.22           |
| 5 - 6m                                                     | 14.66      | 5.03                | 2.01           | 6.99           | 354.8                       | 0.63              | 42.23           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.511                                                          | 14.75      | 5.03                | 0.95           | 6.83           | 467.76                      | 0.28              | 42.07           |
| 0.525                                                          | 14.75      | 5.03                | 1.11           | 6.82           | 462.8                       | 0.27              | 42.07           |
| 0.534                                                          | 14.76      | 5.03                | 0.69           | 6.81           | 453.03                      | 0.17              | 42.07           |
| 0.538                                                          | 14.76      | 5.03                | 0.76           | 6.8            | 457.25                      | 0.22              | 42.07           |
| 0.542                                                          | 14.76      | 5.03                | 0.72           | 6.63           | 455.77                      | 0.08              | 42.07           |
| 0.544                                                          | 14.76      | 5.03                | 0.8            | 6.59           | 454.93                      | 0.01              | 42.07           |
| 0.567                                                          | 14.76      | 5.03                | 0.69           | 6.5            | 460.44                      | 0.04              | 42.07           |
| 0.578                                                          | 14.76      | 5.03                | 0.84           | 6.46           | 444.81                      | 0.01              | 42.07           |
| 0.587                                                          | 14.76      | 5.03                | 0.84           | 6.42           | 443.58                      | 0.01              | 42.08           |
| 0.612                                                          | 14.76      | 5.03                | 0.84           | 6.38           | 280.85                      | 0.01              | 42.07           |
| 0.662                                                          | 14.76      | 5.03                | 0.92           | 6.33           | 134.52                      | 0.02              | 42.07           |
| 0.734                                                          | 14.76      | 5.03                | 0.84           | 6.29           | 132.88                      | 0.03              | 42.07           |
| 0.817                                                          | 14.76      | 5.03                | 0.76           | 6.26           | 123.26                      | 0.04              | 42.07           |
| 0.895                                                          | 14.76      | 5.03                | 0.76           | 6.23           | 116.76                      | 0.02              | 42.07           |
| 0.969                                                          | 14.76      | 5.03                | 0.88           | 6.21           | 113.97                      | 0.01              | 42.07           |
| 1.034                                                          | 14.76      | 5.03                | 0.72           | 6.2            | 111.54                      | 0.0               | 42.07           |
| 1.098                                                          | 14.76      | 5.03                | 0.8            | 6.19           | 116.7                       | 0.05              | 42.07           |
| 1.171                                                          | 14.76      | 5.03                | 0.84           | 6.19           | 115.7                       | 0.06              | 42.07           |
| 1.25                                                           | 14.75      | 5.03                | 0.8            | 6.2            | 112.95                      | 0.03              | 42.07           |
| 1.325                                                          | 14.75      | 5.03                | 1.03           | 6.22           | 111.91                      | 0.04              | 42.07           |
| 1.396                                                          | 14.75      | 5.03                | 0.72           | 6.25           | 114.32                      | 0.04              | 42.07           |
| 1.454                                                          | 14.75      | 5.03                | 0.76           | 6.27           | 113.63                      | 0.06              | 42.07           |
| 1.506                                                          | 14.75      | 5.03                | 0.8            | 6.32           | 115.04                      | 0.04              | 42.07           |
| 1.574                                                          | 14.75      | 5.03                | 0.88           | 6.38           | 117.79                      | 0.08              | 42.07           |
| 1.656                                                          | 14.75      | 5.03                | 0.88           | 6.46           | 119.44                      | 0.06              | 42.07           |
| 1.733                                                          | 14.75      | 5.03                | 0.69           | 6.55           | 124.24                      | 0.05              | 42.07           |
| 1.8                                                            | 14.75      | 5.03                | 1.07           | 6.64           | 135.96                      | 0.03              | 42.07           |
| 1.848                                                          | 14.75      | 5.03                | 0.88           | 6.71           | 123.01                      | 0.04              | 42.07           |
| 1.885                                                          | 14.75      | 5.03                | 0.95           | 6.79           | 123.58                      | 0.07              | 42.06           |
| 1.932                                                          | 14.75      | 5.03                | 0.8            | 6.85           | 125.66                      | 0.05              | 42.06           |
| 2.006                                                          | 14.75      | 5.03                | 0.72           | 6.91           | 132.08                      | 0.08              | 42.06           |
| 2.098                                                          | 14.75      | 5.03                | 0.76           | 6.92           | 155.2                       | 0.08              | 42.06           |
| 2.179                                                          | 14.75      | 5.03                | 0.92           | 6.92           | 168.39                      | 0.07              | 42.07           |
| 2.239                                                          | 14.74      | 5.03                | 0.72           | 6.94           | 151.92                      | 0.06              | 42.08           |
| 2.291                                                          | 14.73      | 5.03                | 0.95           | 6.94           | 149.34                      | 0.07              | 42.08           |
| 2.352                                                          | 14.73      | 5.03                | 0.84           | 6.94           | 152.81                      | 0.07              | 42.09           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.42  | 14.72 | 5.03 | 0.84 | 6.94 | 168.16 | 0.09 | 42.09 |
| 2.489 | 14.72 | 5.03 | 0.76 | 6.92 | 196.59 | 0.08 | 42.09 |
| 2.56  | 14.72 | 5.03 | 0.84 | 6.93 | 258.97 | 0.08 | 42.09 |
| 2.623 | 14.72 | 5.03 | 0.92 | 6.94 | 288.84 | 0.06 | 42.1  |
| 2.675 | 14.72 | 5.03 | 0.69 | 6.94 | 250.46 | 0.05 | 42.09 |
| 2.719 | 14.72 | 5.03 | 0.84 | 6.93 | 305.22 | 0.09 | 42.09 |
| 2.767 | 14.72 | 5.03 | 0.84 | 6.92 | 435.33 | 0.05 | 42.09 |
| 2.827 | 14.72 | 5.03 | 0.88 | 6.9  | 338.61 | 0.09 | 42.09 |
| 2.9   | 14.72 | 5.03 | 0.92 | 6.89 | 432.31 | 0.08 | 42.09 |
| 2.967 | 14.72 | 5.03 | 0.92 | 6.88 | 864.71 | 0.09 | 42.09 |
| 3.022 | 14.72 | 5.03 | 1.03 | 6.87 | 580.68 | 0.05 | 42.1  |
| 3.069 | 14.71 | 5.03 | 0.92 | 6.87 | 516.06 | 0.07 | 42.1  |
| 3.115 | 14.71 | 5.03 | 0.92 | 6.87 | 405.05 | 0.05 | 42.11 |
| 3.173 | 14.7  | 5.03 | 0.99 | 6.87 | 614.61 | 0.08 | 42.11 |
| 3.24  | 14.69 | 5.03 | 0.92 | 6.88 | 775.64 | 0.1  | 42.13 |
| 3.311 | 14.68 | 5.03 | 0.95 | 6.88 | 520.02 | 0.11 | 42.14 |
| 3.38  | 14.68 | 5.03 | 1.07 | 6.89 | 507.52 | 0.07 | 42.14 |
| 3.445 | 14.67 | 5.03 | 1.11 | 6.89 | 605.42 | 0.09 | 42.15 |
| 3.489 | 14.67 | 5.03 | 1.11 | 6.89 | 547.1  | 0.09 | 42.16 |
| 3.523 | 14.67 | 5.03 | 1.26 | 6.9  | 580.95 | 0.08 | 42.16 |
| 3.571 | 14.67 | 5.03 | 1.3  | 6.89 | 465.16 | 0.1  | 42.16 |
| 3.648 | 14.66 | 5.03 | 1.11 | 6.89 | 503.19 | 0.09 | 42.16 |
| 3.736 | 14.66 | 5.03 | 1.14 | 6.89 | 591.96 | 0.05 | 42.16 |
| 3.81  | 14.65 | 5.03 | 1.03 | 6.9  | 572.13 | 0.29 | 42.17 |
| 3.856 | 14.65 | 5.03 | 1.3  | 6.9  | 457.25 | 0.36 | 42.18 |
| 3.882 | 14.64 | 5.03 | 1.22 | 6.91 | 556.18 | 0.43 | 42.19 |
| 3.909 | 14.64 | 5.03 | 1.34 | 6.91 | 588.68 | 0.43 | 42.2  |
| 3.962 | 14.64 | 5.03 | 1.22 | 6.92 | 625.82 | 0.45 | 42.19 |
| 4.039 | 14.64 | 5.03 | 1.26 | 6.92 | 548.37 | 0.42 | 42.2  |
| 4.125 | 14.64 | 5.03 | 1.3  | 6.9  | 503.19 | 0.43 | 42.19 |
| 4.201 | 14.63 | 5.03 | 1.37 | 6.88 | 586.36 | 0.42 | 42.2  |
| 4.253 | 14.63 | 5.03 | 1.64 | 6.85 | 624.66 | 0.42 | 42.21 |
| 4.289 | 14.63 | 5.03 | 1.91 | 6.82 | 535.19 | 0.44 | 42.22 |
| 4.327 | 14.64 | 5.03 | 1.68 | 6.77 | 402.43 | 0.48 | 42.23 |
| 4.375 | 14.64 | 5.03 | 2.02 | 6.74 | 464.63 | 0.45 | 42.23 |
| 4.442 | 14.65 | 5.03 | 1.95 | 6.72 | 565.01 | 0.46 | 42.23 |
| 4.527 | 14.65 | 5.03 | 1.87 | 6.71 | 459.49 | 0.48 | 42.24 |
| 4.606 | 14.66 | 5.03 | 2.06 | 6.72 | 435.13 | 0.47 | 42.23 |
| 4.664 | 14.66 | 5.03 | 1.87 | 6.75 | 415.03 | 0.51 | 42.22 |
| 4.707 | 14.65 | 5.03 | 1.83 | 6.78 | 496.01 | 0.49 | 42.22 |
| 4.74  | 14.65 | 5.03 | 2.25 | 6.81 | 491.55 | 0.54 | 42.22 |
| 4.853 | 14.65 | 5.03 | 2.14 | 6.86 | 425.85 | 0.54 | 42.23 |
| 4.926 | 14.65 | 5.03 | 2.14 | 6.89 | 413.21 | 0.5  | 42.23 |
| 5.009 | 14.65 | 5.03 | 1.87 | 6.87 | 424.67 | 0.54 | 42.22 |
| 5.092 | 14.65 | 5.03 | 1.98 | 6.88 | 407.6  | 0.57 | 42.23 |
| 5.156 | 14.65 | 5.03 | 1.72 | 6.88 | 387.96 | 0.58 | 42.23 |
| 5.194 | 14.66 | 5.03 | 1.95 | 6.88 | 397.89 | 0.57 | 42.23 |
| 5.216 | 14.66 | 5.03 | 1.87 | 6.88 | 380.48 | 0.63 | 42.23 |
| 5.255 | 14.66 | 5.03 | 1.76 | 6.89 | 378.72 | 0.63 | 42.23 |
| 5.328 | 14.66 | 5.03 | 1.95 | 6.91 | 351.9  | 0.65 | 42.23 |
| 5.41  | 14.66 | 5.03 | 2.02 | 6.94 | 332.47 | 0.64 | 42.23 |
| 5.475 | 14.66 | 5.03 | 2.06 | 6.99 | 340.82 | 0.67 | 42.24 |
| 5.511 | 14.67 | 5.03 | 2.14 | 7.03 | 367.82 | 0.48 | 42.23 |
| 5.529 | 14.67 | 5.03 | 2.1  | 7.06 | 355.58 | 0.66 | 42.23 |
| 5.559 | 14.67 | 5.03 | 2.14 | 7.09 | 330.32 | 0.69 | 42.23 |
| 5.641 | 14.67 | 5.03 | 2.21 | 7.16 | 309.42 | 0.66 | 42.22 |
| 5.645 | 14.67 | 5.03 | 2.1  | 7.2  | 290.18 | 0.72 | 42.23 |
| 5.647 | 14.67 | 5.03 | 2.25 | 7.24 | 266.15 | 0.73 | 42.22 |





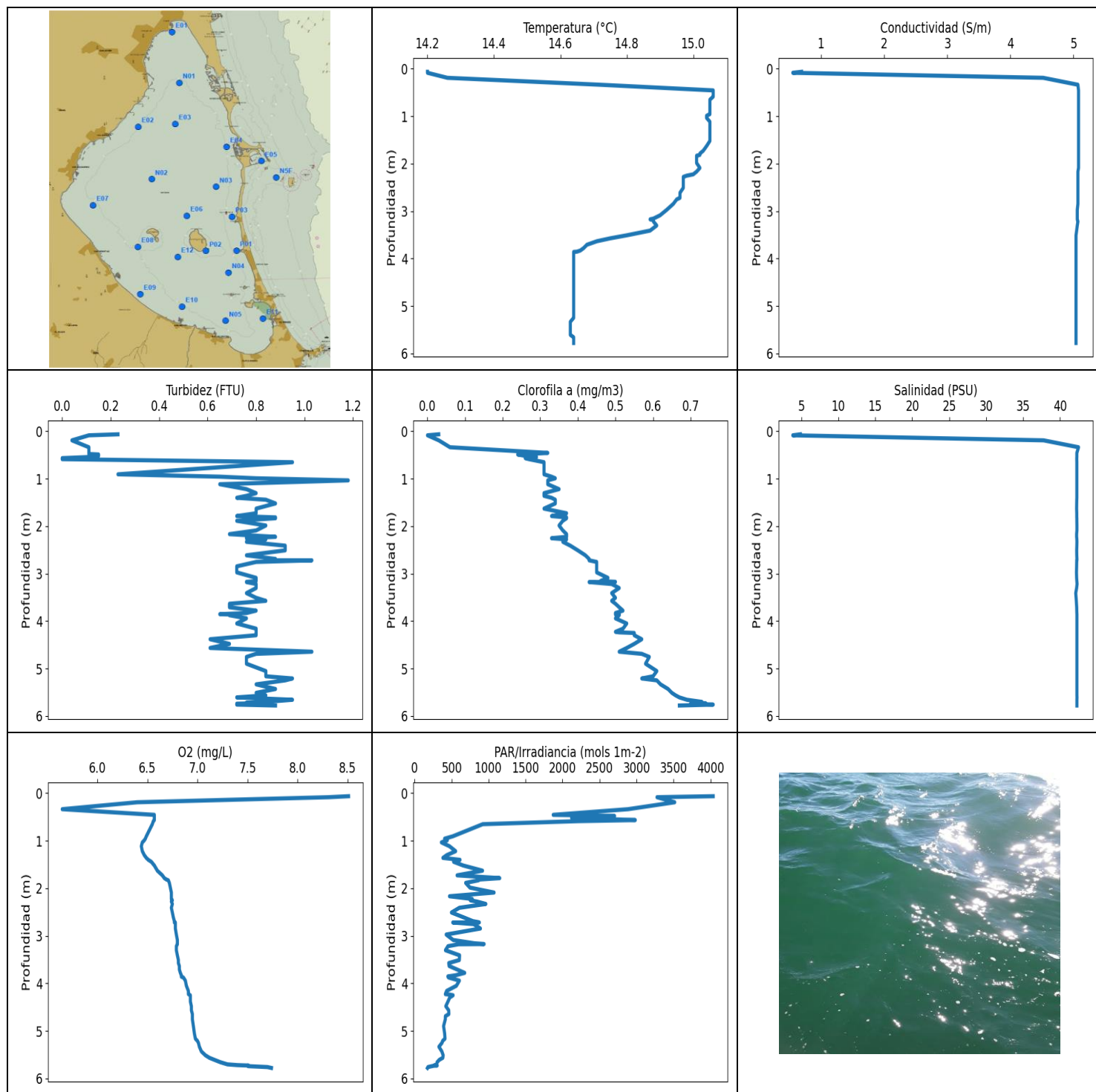
| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 14.82      | 5.04                | 0.57           | 6.32           | 93.42                       | 0.01              | 42.1            |
| PROF (metros)                                                                | 4.115      | 3.174               | 0.467          | 1.29           | 0.92                        | 0.881             | 3.627           |
| MÁXIMO                                                                       | 14.91      | 14.91               | 1.11           | 7.07           | 598.44                      | 0.74              | 42.12           |
| PROF (metros)                                                                | 0.452      | 0.452               | 3.672          | 4.23           | 4.152                       | 4.228             | 0.452           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E11 - Punto 014                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.91      | 5.05                | 0.83           | 6.45           | 187.35                      | 0.12              | 42.11           |
| 1 - 2m                                                     | 14.91      | 5.05                | 0.88           | 6.49           | 115.67                      | 0.07              | 42.12           |
| 2 - 3m                                                     | 14.9       | 5.05                | 0.86           | 6.86           | 212.47                      | 0.25              | 42.11           |
| 3 - 4m                                                     | 14.87      | 5.04                | 0.9            | 6.84           | 477.69                      | 0.49              | 42.11           |
| 4 - 5m                                                     | 14.82      | 5.04                | 0.91           | 7.01           | 458.68                      | 0.61              | 42.11           |

| 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) |
| 0.452                                                          | 14.91      | 5.05                | 0.88           | 6.72           | 375.84                      | 0.32              | 42.12           |
| 0.467                                                          | 14.91      | 5.05                | 0.57           | 6.63           | 370.73                      | 0.43              | 42.12           |
| 0.549                                                          | 14.91      | 5.05                | 0.88           | 6.46           | 351.16                      | 0.05              | 42.12           |
| 0.615                                                          | 14.91      | 5.05                | 0.76           | 6.42           | 104.73                      | 0.07              | 42.12           |
| 0.714                                                          | 14.91      | 5.05                | 0.92           | 6.4            | 96.79                       | 0.06              | 42.12           |
| 0.809                                                          | 14.91      | 5.05                | 0.8            | 6.38           | 99.78                       | 0.06              | 42.11           |
| 0.881                                                          | 14.91      | 5.05                | 0.95           | 6.37           | 93.59                       | 0.01              | 42.11           |
| 0.92                                                           | 14.91      | 5.05                | 0.92           | 6.36           | 93.42                       | 0.04              | 42.11           |
| 0.959                                                          | 14.91      | 5.05                | 0.8            | 6.35           | 100.12                      | 0.03              | 42.11           |
| 1.118                                                          | 14.91      | 5.05                | 0.92           | 6.34           | 104.73                      | 0.07              | 42.11           |
| 1.209                                                          | 14.91      | 5.05                | 0.84           | 6.33           | 101.2                       | 0.02              | 42.11           |
| 1.29                                                           | 14.91      | 5.05                | 0.95           | 6.32           | 102.19                      | 0.05              | 42.11           |
| 1.354                                                          | 14.9       | 5.05                | 0.88           | 6.32           | 105.7                       | 0.03              | 42.12           |
| 1.424                                                          | 14.9       | 5.05                | 0.88           | 6.33           | 111.11                      | 0.07              | 42.12           |
| 1.511                                                          | 14.9       | 5.05                | 0.84           | 6.37           | 115.73                      | 0.07              | 42.12           |
| 1.595                                                          | 14.91      | 5.05                | 0.88           | 6.44           | 120.63                      | 0.09              | 42.12           |
| 1.666                                                          | 14.91      | 5.05                | 0.8            | 6.52           | 125.02                      | 0.06              | 42.12           |
| 1.743                                                          | 14.91      | 5.05                | 0.84           | 6.61           | 130.53                      | 0.1               | 42.12           |
| 1.809                                                          | 14.91      | 5.05                | 0.88           | 6.7            | 124.73                      | 0.07              | 42.12           |
| 1.869                                                          | 14.91      | 5.05                | 0.95           | 6.76           | 121.62                      | 0.08              | 42.12           |
| 1.937                                                          | 14.91      | 5.05                | 0.92           | 6.82           | 124.87                      | 0.08              | 42.12           |
| 2.017                                                          | 14.91      | 5.05                | 0.88           | 6.85           | 134.27                      | 0.1               | 42.12           |
| 2.108                                                          | 14.91      | 5.05                | 0.69           | 6.87           | 149.55                      | 0.1               | 42.12           |
| 2.189                                                          | 14.91      | 5.05                | 0.72           | 6.88           | 193.83                      | 0.05              | 42.12           |
| 2.22                                                           | 14.91      | 5.05                | 0.72           | 6.87           | 146.22                      | 0.1               | 42.12           |
| 2.266                                                          | 14.91      | 5.05                | 0.88           | 6.86           | 149.27                      | 0.1               | 42.12           |
| 2.372                                                          | 14.91      | 5.05                | 0.84           | 6.85           | 173.78                      | 0.08              | 42.12           |
| 2.495                                                          | 14.91      | 5.05                | 0.84           | 6.85           | 197.27                      | 0.03              | 42.11           |
| 2.599                                                          | 14.91      | 5.05                | 0.95           | 6.85           | 268.19                      | 0.34              | 42.11           |
| 2.654                                                          | 14.9       | 5.05                | 0.84           | 6.86           | 271.94                      | 0.41              | 42.1            |
| 2.66                                                           | 14.89      | 5.05                | 1.07           | 6.85           | 251.63                      | 0.43              | 42.11           |
| 2.674                                                          | 14.89      | 5.05                | 0.92           | 6.86           | 234.94                      | 0.47              | 42.11           |
| 2.735                                                          | 14.89      | 5.05                | 0.88           | 6.87           | 215.39                      | 0.44              | 42.12           |
| 2.829                                                          | 14.89      | 5.05                | 0.95           | 6.87           | 247.06                      | 0.42              | 42.12           |
| 2.954                                                          | 14.89      | 5.05                | 0.8            | 6.87           | 341.29                      | 0.48              | 42.11           |
| 3.064                                                          | 14.88      | 5.05                | 0.76           | 6.85           | 330.47                      | 0.46              | 42.11           |
| 3.129                                                          | 14.88      | 5.05                | 0.84           | 6.83           | 346.79                      | 0.47              | 42.11           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 3.174 | 14.87 | 5.04 | 0.8  | 6.8  | 489.84 | 0.45 | 42.11 |
| 3.201 | 14.87 | 5.05 | 0.92 | 6.77 | 451.25 | 0.45 | 42.12 |
| 3.216 | 14.87 | 5.05 | 0.99 | 6.75 | 444.2  | 0.5  | 42.12 |
| 3.263 | 14.88 | 5.05 | 0.95 | 6.74 | 474.2  | 0.5  | 42.12 |
| 3.345 | 14.87 | 5.05 | 0.76 | 6.75 | 520.87 | 0.42 | 42.12 |
| 3.439 | 14.88 | 5.05 | 0.88 | 6.76 | 478.62 | 0.48 | 42.12 |
| 3.523 | 14.88 | 5.05 | 0.84 | 6.79 | 559.41 | 0.46 | 42.12 |
| 3.587 | 14.88 | 5.05 | 0.92 | 6.84 | 391.03 | 0.5  | 42.11 |
| 3.627 | 14.87 | 5.04 | 0.84 | 6.87 | 497.62 | 0.46 | 42.1  |
| 3.65  | 14.87 | 5.04 | 0.99 | 6.89 | 562.27 | 0.49 | 42.11 |
| 3.672 | 14.86 | 5.04 | 1.11 | 6.89 | 454.4  | 0.53 | 42.11 |
| 3.712 | 14.86 | 5.04 | 1.03 | 6.89 | 527.18 | 0.47 | 42.11 |
| 3.774 | 14.85 | 5.04 | 0.88 | 6.9  | 469.39 | 0.52 | 42.12 |
| 3.859 | 14.85 | 5.04 | 0.92 | 6.9  | 511.66 | 0.53 | 42.12 |
| 3.937 | 14.85 | 5.04 | 0.95 | 6.91 | 517.02 | 0.56 | 42.11 |
| 3.998 | 14.85 | 5.04 | 0.8  | 6.93 | 572.26 | 0.58 | 42.1  |
| 4.037 | 14.84 | 5.04 | 0.95 | 6.95 | 591.82 | 0.55 | 42.1  |
| 4.072 | 14.83 | 5.04 | 0.99 | 6.97 | 379.16 | 0.53 | 42.1  |
| 4.096 | 14.83 | 5.04 | 0.99 | 6.99 | 401.32 | 0.59 | 42.11 |
| 4.115 | 14.82 | 5.04 | 1.11 | 7.01 | 492.11 | 0.64 | 42.11 |
| 4.152 | 14.82 | 5.04 | 0.88 | 7.02 | 598.44 | 0.51 | 42.11 |
| 4.201 | 14.82 | 5.04 | 0.69 | 7.04 | 459.59 | 0.6  | 42.11 |
| 4.228 | 14.82 | 5.04 | 0.84 | 7.05 | 362.91 | 0.74 | 42.11 |
| 4.23  | 14.82 | 5.04 | 0.8  | 7.07 | 384.12 | 0.72 | 42.12 |



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

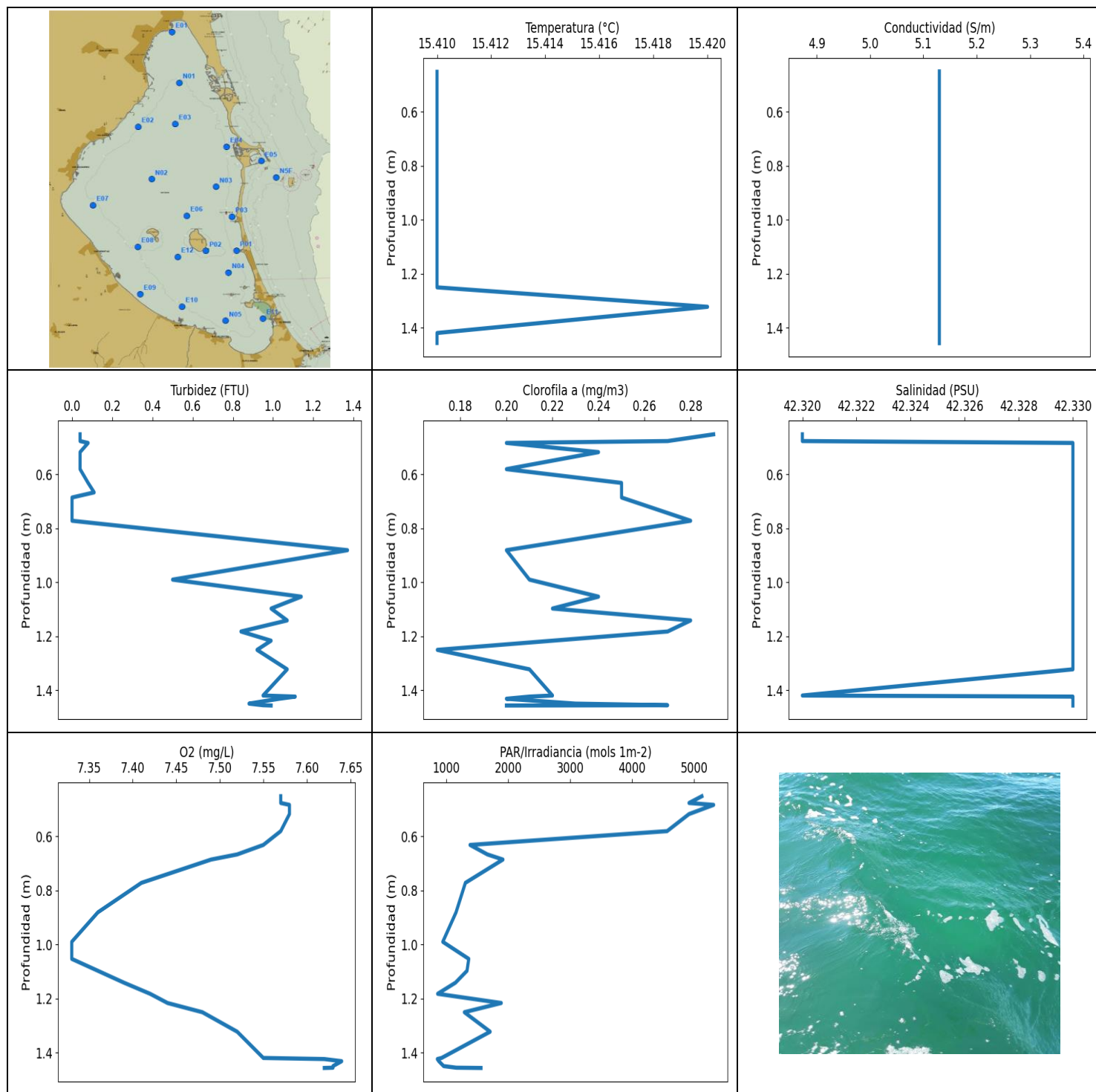
|                      | Temp.<br>(°C) | Conductividad<br>(S/m) | Turbidez<br>(FTU) | Oxígeno<br>(mg/l) | PAR/Irradiancia<br>(mols-1m-2) | Clorofila<br>(mg/m <sup>3</sup> ) | Salinidad<br>(PSU) |
|----------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|-----------------------------------|--------------------|
| <b>MÍNIMO</b>        | 14.2          | 0.55                   | 0.0               | 5.65              | 174.63                         | 0.0                               | 3.83               |
| <b>PROF (metros)</b> | 0.065         | 0.086                  | 0.567             | 0.338             | 5.781                          | 0.086                             | 0.086              |
| <b>MÁXIMO</b>        | 15.06         | 15.06                  | 1.18              | 8.51              | 4036.9                         | 0.76                              | 42.5               |
| <b>PROF (metros)</b> | 0.457         | 0.457                  | 1.036             | 0.065             | 0.065                          | 5.762                             | 0.338              |

| 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                                                     | 14.84      | 4.35                | 0.29           | 6.75           | 2124.85                     | 0.21              | 36.1            |
| 1 - 2m                                                     | 15.03      | 5.08                | 0.82           | 6.58           | 656.02                      | 0.34              | 42.26           |
| 2 - 3m                                                     | 14.97      | 5.07                | 0.82           | 6.76           | 730.42                      | 0.4               | 42.26           |
| 3 - 4m                                                     | 14.77      | 5.05                | 0.76           | 6.82           | 568.38                      | 0.49              | 42.25           |
| 4 - 5m                                                     | 14.64      | 5.04                | 0.77           | 6.93           | 455.1                       | 0.54              | 42.28           |
| 5 - 6m                                                     | 14.64      | 5.04                | 0.83           | 7.26           | 316.47                      | 0.67              | 42.28           |

| 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) |
| 0.065                                                          | 14.2       | 0.69                | 0.23           | 8.51           | 4036.9                      | 0.03              | 4.86            |
| 0.086                                                          | 14.2       | 0.55                | 0.11           | 8.31           | 3276.8                      | 0.0               | 3.83            |
| 0.192                                                          | 14.26      | 4.52                | 0.04           | 6.4            | 3516.9                      | 0.03              | 37.77           |
| 0.338                                                          | 14.72      | 5.07                | 0.11           | 5.65           | 2886.0                      | 0.06              | 42.5            |
| 0.457                                                          | 15.06      | 5.08                | 0.11           | 6.57           | 1874.4                      | 0.32              | 42.27           |
| 0.48                                                           | 15.06      | 5.08                | 0.11           | 6.57           | 2704.0                      | 0.27              | 42.27           |
| 0.49                                                           | 15.06      | 5.08                | 0.15           | 6.57           | 2343.2                      | 0.24              | 42.27           |
| 0.52                                                           | 15.06      | 5.08                | 0.15           | 6.57           | 2123.4                      | 0.26              | 42.27           |
| 0.544                                                          | 15.06      | 5.08                | 0.11           | 6.57           | 2573.2                      | 0.29              | 42.27           |
| 0.567                                                          | 15.06      | 5.08                | 0.0            | 6.57           | 2983.9                      | 0.26              | 42.26           |
| 0.589                                                          | 15.06      | 5.08                | 0.0            | 6.56           | 2217.4                      | 0.27              | 42.26           |
| 0.653                                                          | 15.05      | 5.08                | 0.95           | 6.55           | 922.26                      | 0.31              | 42.27           |
| 0.908                                                          | 15.05      | 5.08                | 0.23           | 6.49           | 517.14                      | 0.31              | 42.27           |
| 0.958                                                          | 15.05      | 5.08                | 0.65           | 6.48           | 406.18                      | 0.33              | 42.27           |
| 0.992                                                          | 15.04      | 5.08                | 0.8            | 6.47           | 442.66                      | 0.34              | 42.27           |
| 1.036                                                          | 15.04      | 5.08                | 1.18           | 6.45           | 362.58                      | 0.32              | 42.27           |
| 1.117                                                          | 15.05      | 5.08                | 0.65           | 6.44           | 472.44                      | 0.32              | 42.27           |
| 1.221                                                          | 15.05      | 5.08                | 0.76           | 6.45           | 555.79                      | 0.35              | 42.27           |
| 1.305                                                          | 15.05      | 5.08                | 0.8            | 6.47           | 434.22                      | 0.31              | 42.27           |
| 1.362                                                          | 15.05      | 5.08                | 0.76           | 6.49           | 383.49                      | 0.31              | 42.27           |
| 1.403                                                          | 15.05      | 5.08                | 0.72           | 6.51           | 614.75                      | 0.33              | 42.27           |
| 1.444                                                          | 15.05      | 5.08                | 0.84           | 6.54           | 527.8                       | 0.34              | 42.26           |
| 1.522                                                          | 15.05      | 5.08                | 0.88           | 6.57           | 657.64                      | 0.34              | 42.25           |
| 1.631                                                          | 15.04      | 5.08                | 0.8            | 6.6            | 919.27                      | 0.31              | 42.24           |
| 1.729                                                          | 15.03      | 5.08                | 0.8            | 6.65           | 575.32                      | 0.37              | 42.26           |
| 1.788                                                          | 15.02      | 5.08                | 0.72           | 6.67           | 1151.6                      | 0.33              | 42.26           |
| 1.816                                                          | 15.02      | 5.08                | 0.88           | 6.69           | 883.14                      | 0.37              | 42.26           |
| 1.834                                                          | 15.01      | 5.08                | 0.88           | 6.71           | 862.51                      | 0.37              | 42.27           |
| 1.888                                                          | 15.01      | 5.08                | 0.72           | 6.72           | 690.93                      | 0.36              | 42.27           |
| 1.987                                                          | 15.01      | 5.08                | 0.84           | 6.73           | 748.79                      | 0.35              | 42.28           |
| 2.091                                                          | 15.02      | 5.08                | 0.8            | 6.74           | 1075.2                      | 0.36              | 42.28           |
| 2.169                                                          | 15.01      | 5.07                | 0.69           | 6.74           | 472.44                      | 0.37              | 42.24           |
| 2.226                                                          | 15.0       | 5.07                | 0.88           | 6.74           | 780.51                      | 0.37              | 42.24           |
| 2.255                                                          | 14.98      | 5.07                | 0.76           | 6.75           | 754.71                      | 0.33              | 42.26           |
| 2.28                                                           | 14.97      | 5.07                | 0.84           | 6.74           | 842.35                      | 0.37              | 42.27           |
| 2.331                                                          | 14.97      | 5.07                | 0.76           | 6.75           | 963.78                      | 0.36              | 42.28           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.412 | 14.97 | 5.07 | 0.92 | 6.74 | 605.56 | 0.38 | 42.27 |
| 2.511 | 14.97 | 5.07 | 0.92 | 6.75 | 498.66 | 0.4  | 42.25 |
| 2.615 | 14.96 | 5.07 | 0.76 | 6.76 | 666.24 | 0.42 | 42.26 |
| 2.692 | 14.96 | 5.07 | 0.88 | 6.77 | 787.6  | 0.43 | 42.28 |
| 2.72  | 14.96 | 5.07 | 0.84 | 6.77 | 875.6  | 0.43 | 42.28 |
| 2.721 | 14.96 | 5.07 | 1.03 | 6.78 | 516.78 | 0.43 | 42.26 |
| 2.755 | 14.95 | 5.07 | 0.8  | 6.78 | 798.44 | 0.45 | 42.25 |
| 2.848 | 14.94 | 5.07 | 0.72 | 6.78 | 890.74 | 0.45 | 42.24 |
| 2.975 | 14.92 | 5.06 | 0.72 | 6.79 | 427.63 | 0.45 | 42.22 |
| 3.09  | 14.9  | 5.06 | 0.8  | 6.8  | 522.8  | 0.48 | 42.24 |
| 3.159 | 14.88 | 5.06 | 0.8  | 6.8  | 809.62 | 0.46 | 42.27 |
| 3.175 | 14.87 | 5.06 | 0.76 | 6.8  | 940.61 | 0.5  | 42.28 |
| 3.179 | 14.88 | 5.06 | 0.76 | 6.8  | 593.61 | 0.43 | 42.28 |
| 3.22  | 14.88 | 5.07 | 0.8  | 6.79 | 451.88 | 0.49 | 42.3  |
| 3.305 | 14.89 | 5.06 | 0.8  | 6.79 | 417.83 | 0.51 | 42.24 |
| 3.412 | 14.87 | 5.05 | 0.76 | 6.8  | 608.8  | 0.49 | 42.12 |
| 3.511 | 14.8  | 5.04 | 0.8  | 6.81 | 605.42 | 0.5  | 42.17 |
| 3.575 | 14.75 | 5.04 | 0.84 | 6.81 | 462.16 | 0.49 | 42.2  |
| 3.636 | 14.71 | 5.04 | 0.69 | 6.82 | 467.22 | 0.5  | 42.22 |
| 3.71  | 14.68 | 5.04 | 0.69 | 6.82 | 575.19 | 0.51 | 42.25 |
| 3.781 | 14.67 | 5.04 | 0.8  | 6.83 | 678.23 | 0.52 | 42.26 |
| 3.832 | 14.66 | 5.04 | 0.76 | 6.84 | 554.76 | 0.5  | 42.27 |
| 3.856 | 14.65 | 5.04 | 0.65 | 6.84 | 450.1  | 0.51 | 42.28 |
| 3.862 | 14.64 | 5.04 | 0.69 | 6.84 | 458.74 | 0.5  | 42.28 |
| 3.878 | 14.64 | 5.04 | 0.69 | 6.86 | 459.27 | 0.51 | 42.28 |
| 3.944 | 14.64 | 5.04 | 0.76 | 6.88 | 606.26 | 0.5  | 42.28 |
| 4.052 | 14.64 | 5.04 | 0.72 | 6.89 | 565.54 | 0.53 | 42.28 |
| 4.161 | 14.64 | 5.04 | 0.8  | 6.91 | 433.62 | 0.52 | 42.28 |
| 4.228 | 14.64 | 5.04 | 0.8  | 6.91 | 416.29 | 0.5  | 42.28 |
| 4.239 | 14.64 | 5.04 | 0.8  | 6.92 | 479.39 | 0.51 | 42.28 |
| 4.252 | 14.64 | 5.04 | 0.8  | 6.93 | 521.35 | 0.55 | 42.28 |
| 4.3   | 14.64 | 5.04 | 0.8  | 6.93 | 475.3  | 0.55 | 42.28 |
| 4.384 | 14.64 | 5.04 | 0.61 | 6.93 | 451.88 | 0.57 | 42.28 |
| 4.482 | 14.64 | 5.04 | 0.69 | 6.94 | 422.41 | 0.55 | 42.28 |
| 4.568 | 14.64 | 5.04 | 0.61 | 6.94 | 461.73 | 0.53 | 42.28 |
| 4.647 | 14.64 | 5.04 | 1.03 | 6.95 | 463.76 | 0.51 | 42.28 |
| 4.692 | 14.64 | 5.04 | 0.8  | 6.95 | 416.57 | 0.57 | 42.28 |
| 4.757 | 14.64 | 5.04 | 0.76 | 6.95 | 416.09 | 0.59 | 42.28 |
| 4.9   | 14.64 | 5.04 | 0.76 | 6.96 | 392.39 | 0.58 | 42.28 |
| 5.055 | 14.64 | 5.04 | 0.84 | 6.97 | 406.75 | 0.61 | 42.28 |
| 5.165 | 14.64 | 5.04 | 0.84 | 6.98 | 411.68 | 0.6  | 42.28 |
| 5.211 | 14.64 | 5.04 | 0.95 | 7.0  | 379.6  | 0.57 | 42.28 |
| 5.251 | 14.64 | 5.04 | 0.92 | 7.01 | 371.77 | 0.61 | 42.28 |
| 5.335 | 14.63 | 5.04 | 0.8  | 7.02 | 329.33 | 0.62 | 42.28 |
| 5.433 | 14.63 | 5.04 | 0.88 | 7.04 | 368.85 | 0.64 | 42.28 |
| 5.514 | 14.63 | 5.04 | 0.8  | 7.08 | 386.89 | 0.65 | 42.28 |
| 5.567 | 14.63 | 5.04 | 0.84 | 7.12 | 382.52 | 0.66 | 42.28 |
| 5.61  | 14.63 | 5.04 | 0.72 | 7.17 | 334.56 | 0.67 | 42.29 |
| 5.66  | 14.64 | 5.04 | 0.95 | 7.23 | 305.15 | 0.69 | 42.28 |
| 5.705 | 14.64 | 5.04 | 0.84 | 7.3  | 298.99 | 0.73 | 42.28 |
| 5.721 | 14.64 | 5.04 | 0.76 | 7.4  | 290.18 | 0.71 | 42.28 |
| 5.725 | 14.64 | 5.04 | 0.8  | 7.45 | 266.45 | 0.73 | 42.28 |
| 5.729 | 14.64 | 5.04 | 0.8  | 7.51 | 306.28 | 0.72 | 42.28 |
| 5.733 | 14.64 | 5.04 | 0.8  | 7.5  | 268.44 | 0.74 | 42.28 |
| 5.743 | 14.64 | 5.04 | 0.72 | 7.51 | 233.1  | 0.7  | 42.28 |
| 5.762 | 14.64 | 5.04 | 0.72 | 7.7  | 181.31 | 0.76 | 42.28 |
| 5.781 | 14.64 | 5.04 | 0.88 | 7.74 | 174.63 | 0.67 | 42.28 |



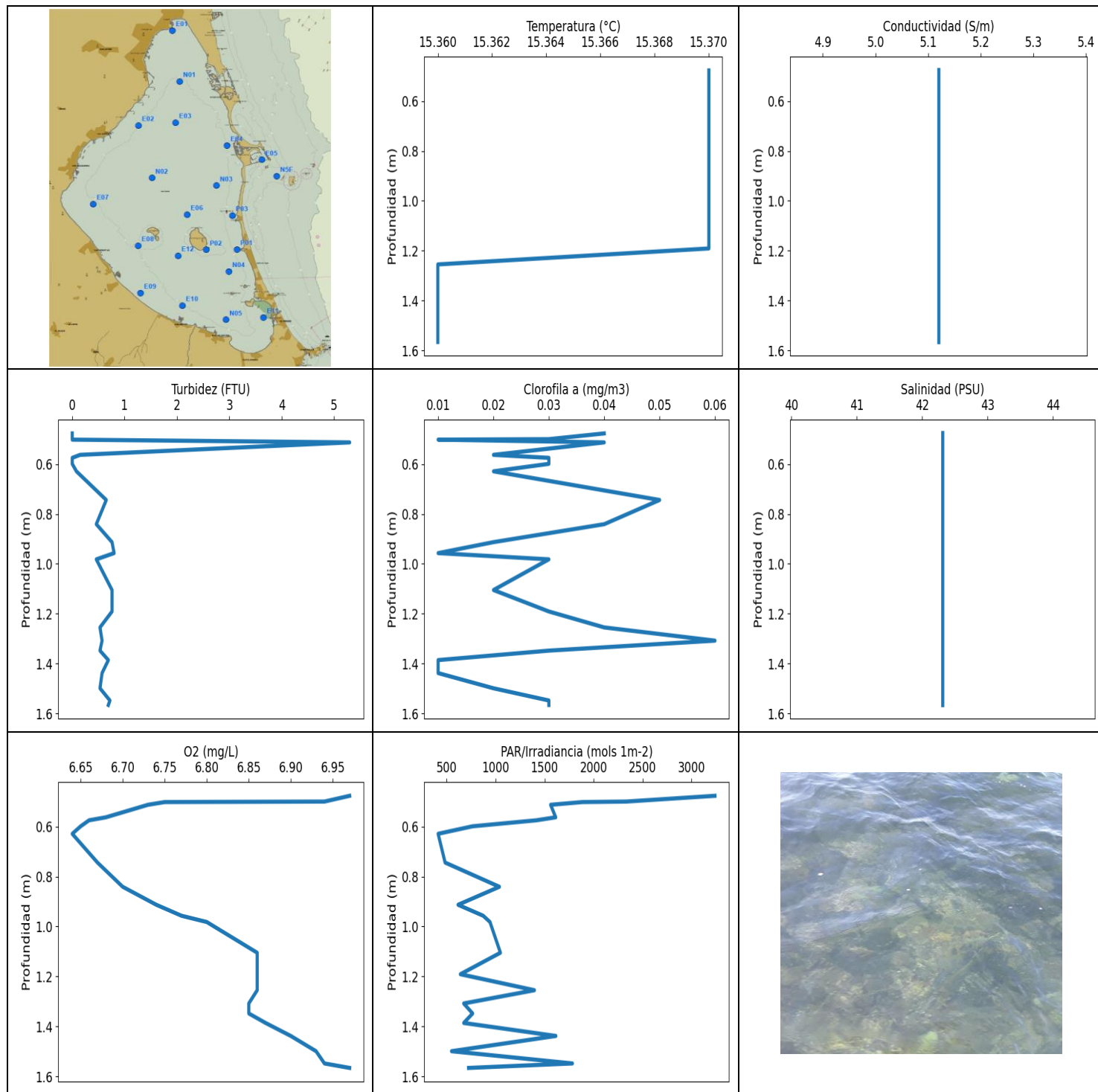
### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | 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>        | 15.41         | 5.13                   | 0.0               | 7.33              | 856.33                         | 0.17                 | 42.32              |
| <b>PROF (metros)</b> | 0.452         | 0.452                  | 0.686             | 0.99              | 1.423                          | 1.25                 | 0.452              |
| <b>MÁXIMO</b>        | 15.42         | 15.42                  | 1.37              | 7.64              | 5319.0                         | 0.29                 | 42.33              |
| <b>PROF (metros)</b> | 1.322         | 0.452                  | 0.881             | 1.431             | 0.484                          | 0.452                | 0.484              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P01 - Punto 016                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.41      | 5.13                | 0.25           | 7.51           | 3334.24                     | 0.23              | 42.33           |
| 1 - 2m                                                     | 15.41      | 5.13                | 0.99           | 7.51           | 1226.78                     | 0.23              | 42.33           |

| 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) |
| 0.452                                                          | 15.41      | 5.13                | 0.04           | 7.57           | 5129.0                      | 0.29              | 42.32           |
| 0.477                                                          | 15.41      | 5.13                | 0.04           | 7.57           | 4920.5                      | 0.27              | 42.32           |
| 0.484                                                          | 15.41      | 5.13                | 0.08           | 7.58           | 5319.0                      | 0.2               | 42.33           |
| 0.518                                                          | 15.41      | 5.13                | 0.04           | 7.58           | 4920.5                      | 0.24              | 42.33           |
| 0.581                                                          | 15.41      | 5.13                | 0.04           | 7.57           | 4566.7                      | 0.2               | 42.33           |
| 0.632                                                          | 15.41      | 5.13                | 0.08           | 7.55           | 1384.5                      | 0.25              | 42.33           |
| 0.667                                                          | 15.41      | 5.13                | 0.11           | 7.52           | 1664.7                      | 0.25              | 42.33           |
| 0.686                                                          | 15.41      | 5.13                | 0.0            | 7.49           | 1916.2                      | 0.25              | 42.33           |
| 0.772                                                          | 15.41      | 5.13                | 0.0            | 7.41           | 1309.6                      | 0.28              | 42.33           |
| 0.881                                                          | 15.41      | 5.13                | 1.37           | 7.36           | 1158.5                      | 0.2               | 42.33           |
| 0.99                                                           | 15.41      | 5.13                | 0.5            | 7.33           | 944.76                      | 0.21              | 42.33           |
| 1.053                                                          | 15.41      | 5.13                | 1.14           | 7.33           | 1364.2                      | 0.24              | 42.33           |
| 1.097                                                          | 15.41      | 5.13                | 0.99           | 7.36           | 1335.7                      | 0.22              | 42.33           |
| 1.141                                                          | 15.41      | 5.13                | 1.07           | 7.39           | 1149.2                      | 0.28              | 42.33           |
| 1.182                                                          | 15.41      | 5.13                | 0.84           | 7.42           | 861.31                      | 0.27              | 42.33           |
| 1.216                                                          | 15.41      | 5.13                | 0.99           | 7.44           | 1889.7                      | 0.22              | 42.33           |
| 1.25                                                           | 15.41      | 5.13                | 0.92           | 7.48           | 1292.7                      | 0.17              | 42.33           |
| 1.322                                                          | 15.42      | 5.13                | 1.07           | 7.52           | 1710.0                      | 0.21              | 42.33           |
| 1.419                                                          | 15.41      | 5.13                | 0.95           | 7.55           | 925.04                      | 0.22              | 42.32           |
| 1.423                                                          | 15.41      | 5.13                | 1.11           | 7.62           | 856.33                      | 0.21              | 42.33           |
| 1.431                                                          | 15.41      | 5.13                | 1.03           | 7.64           | 881.09                      | 0.2               | 42.33           |
| 1.449                                                          | 15.41      | 5.13                | 0.88           | 7.63           | 958.21                      | 0.23              | 42.33           |
| 1.455                                                          | 15.41      | 5.13                | 0.95           | 7.63           | 1162.8                      | 0.27              | 42.33           |
| 1.456                                                          | 15.41      | 5.13                | 0.99           | 7.62           | 1561.9                      | 0.2               | 42.33           |



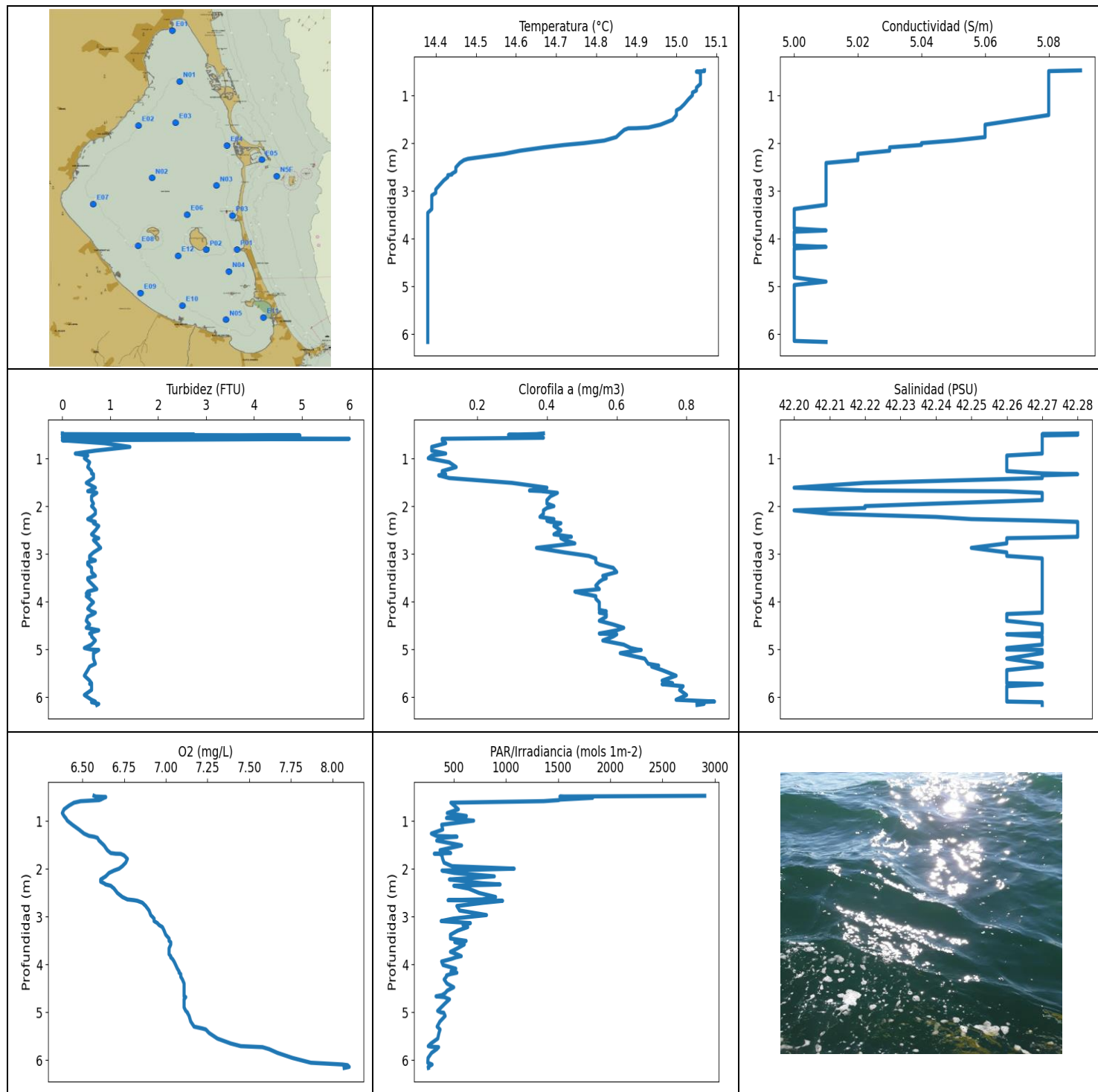
### VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| <b>MÍNIMO</b>        | 15.36      | 5.12                | 0.0            | 6.64           | 412.06                      | 0.01              | 42.31           |
| <b>PROF (metros)</b> | 1.255      | 0.477               | 0.477          | 0.629          | 0.629                       | 0.502             | 0.477           |
| <b>MÁXIMO</b>        | 15.37      | 15.37               | 5.3            | 6.97           | 3239.8                      | 0.06              | 42.31           |
| <b>PROF (metros)</b> | 0.477      | 0.477               | 0.513          | 0.477          | 0.477                       | 1.308             | 0.477           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P03 - Punto 017                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.37      | 5.12                | 1.08           | 6.72           | 942.24                      | 0.03              | 42.31           |
| 1 - 2m                                                     | 15.36      | 5.12                | 0.64           | 6.89           | 986.58                      | 0.03              | 42.31           |

| 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) |
| 0.477                                                          | 15.37      | 5.12                | 0.0            | 6.97           | 3239.8                      | 0.04              | 42.31           |
| 0.5                                                            | 15.37      | 5.12                | 0.0            | 6.94           | 2332.9                      | 0.03              | 42.31           |
| 0.502                                                          | 15.37      | 5.12                | 0.0            | 6.75           | 1886.2                      | 0.01              | 42.31           |
| 0.513                                                          | 15.37      | 5.12                | 5.3            | 6.73           | 1561.2                      | 0.04              | 42.31           |
| 0.563                                                          | 15.37      | 5.12                | 0.15           | 6.68           | 1613.0                      | 0.02              | 42.31           |
| 0.575                                                          | 15.37      | 5.12                | 0.0            | 6.66           | 1415.4                      | 0.03              | 42.31           |
| 0.599                                                          | 15.37      | 5.12                | 0.0            | 6.65           | 763.33                      | 0.03              | 42.31           |
| 0.629                                                          | 15.37      | 5.12                | 0.08           | 6.64           | 412.06                      | 0.02              | 42.31           |
| 0.744                                                          | 15.37      | 5.12                | 0.65           | 6.67           | 483.3                       | 0.05              | 42.31           |
| 0.841                                                          | 15.37      | 5.12                | 0.46           | 6.7            | 1038.2                      | 0.04              | 42.31           |
| 0.913                                                          | 15.37      | 5.12                | 0.76           | 6.74           | 615.89                      | 0.02              | 42.31           |
| 0.957                                                          | 15.37      | 5.12                | 0.8            | 6.77           | 872.56                      | 0.01              | 42.31           |
| 0.982                                                          | 15.37      | 5.12                | 0.46           | 6.8            | 941.7                       | 0.03              | 42.31           |
| 1.105                                                          | 15.37      | 5.12                | 0.76           | 6.86           | 1048.4                      | 0.02              | 42.31           |
| 1.191                                                          | 15.37      | 5.12                | 0.76           | 6.86           | 639.16                      | 0.03              | 42.31           |
| 1.255                                                          | 15.36      | 5.12                | 0.53           | 6.86           | 1396.1                      | 0.04              | 42.31           |
| 1.308                                                          | 15.36      | 5.12                | 0.57           | 6.85           | 673.38                      | 0.06              | 42.31           |
| 1.348                                                          | 15.36      | 5.12                | 0.53           | 6.85           | 764.75                      | 0.03              | 42.31           |
| 1.386                                                          | 15.36      | 5.12                | 0.69           | 6.87           | 673.69                      | 0.01              | 42.31           |
| 1.438                                                          | 15.36      | 5.12                | 0.57           | 6.9            | 1614.9                      | 0.01              | 42.31           |
| 1.499                                                          | 15.36      | 5.12                | 0.53           | 6.93           | 548.88                      | 0.02              | 42.31           |
| 1.548                                                          | 15.36      | 5.12                | 0.72           | 6.94           | 1783.7                      | 0.03              | 42.31           |
| 1.566                                                          | 15.36      | 5.12                | 0.69           | 6.97           | 722.87                      | 0.03              | 42.31           |



### 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>        | 14.38         | 5.0                    | 0.0               | 6.38              | 251.69                         | 0.06                              | 42.2               |
| <b>PROF (metros)</b> | 3.455         | 3.376                  | 0.47              | 0.831             | 6.053                          | 0.99                              | 1.608              |
| <b>MÁXIMO</b>        | 15.07         | 15.07                  | 5.99              | 8.1               | 2904.1                         | 0.88                              | 42.28              |
| <b>PROF (metros)</b> | 0.47          | 0.47                   | 0.582             | 6.14              | 0.47                           | 6.09                              | 0.47               |

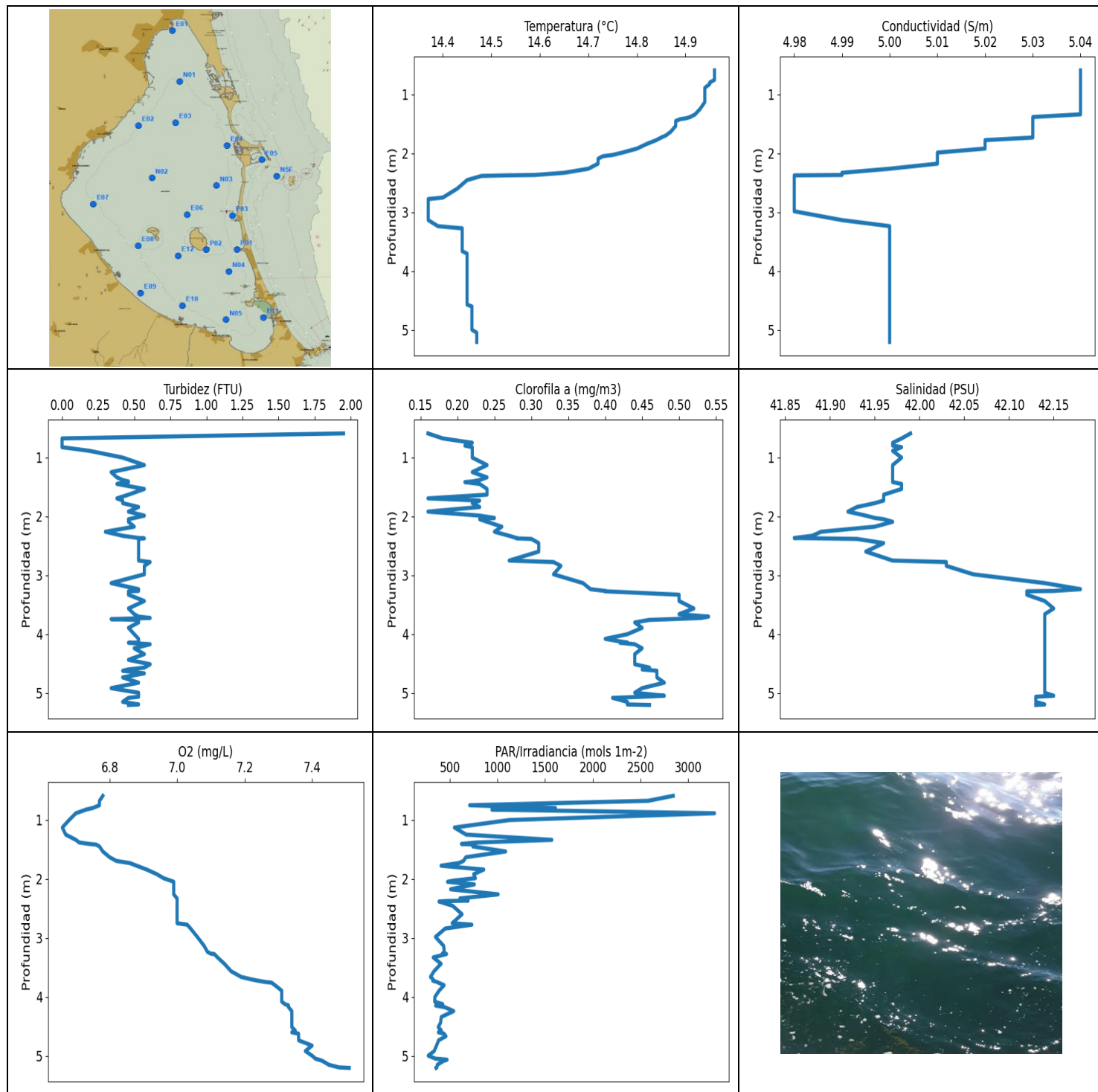
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N03 - Punto 018                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 15.05      | 5.08                | 1.99           | 6.46           | 889.92                      | 0.14              | 42.27           |
| 1 - 2m                                                     | 14.93      | 5.07                | 0.61           | 6.64           | 441.44                      | 0.27              | 42.25           |
| 2 - 3m                                                     | 14.49      | 5.02                | 0.68           | 6.74           | 681.66                      | 0.42              | 42.26           |
| 3 - 4m                                                     | 14.38      | 5.01                | 0.58           | 7.0            | 525.58                      | 0.54              | 42.27           |
| 4 - 5m                                                     | 14.38      | 5.0                 | 0.59           | 7.1            | 430.8                       | 0.58              | 42.27           |
| 5 - 6m                                                     | 14.38      | 5.0                 | 0.6            | 7.36           | 338.1                       | 0.72              | 42.26           |
| 6 - 7m                                                     | 14.38      | 5.0                 | 0.68           | 8.04           | 268.1                       | 0.83              | 42.27           |

| 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) |
| 0.47                                                           | 15.07      | 5.09                | 0.0            | 6.57           | 2904.1                      | 0.39              | 42.28           |
| 0.485                                                          | 15.07      | 5.08                | 0.0            | 6.58           | 1517.6                      | 0.37              | 42.27           |
| 0.494                                                          | 15.05      | 5.08                | 2.75           | 6.64           | 1586.3                      | 0.31              | 42.28           |
| 0.499                                                          | 15.05      | 5.08                | 0.0            | 6.64           | 1637.9                      | 0.29              | 42.28           |
| 0.512                                                          | 15.06      | 5.08                | 4.96           | 6.63           | 1830.2                      | 0.34              | 42.27           |
| 0.549                                                          | 15.06      | 5.08                | 0.0            | 6.61           | 1519.7                      | 0.35              | 42.27           |
| 0.561                                                          | 15.06      | 5.08                | 0.0            | 6.6            | 1501.2                      | 0.39              | 42.27           |
| 0.582                                                          | 15.06      | 5.08                | 5.99           | 6.49           | 1361.6                      | 0.1               | 42.27           |
| 0.614                                                          | 15.06      | 5.08                | 0.0            | 6.45           | 473.43                      | 0.1               | 42.27           |
| 0.675                                                          | 15.06      | 5.08                | 0.88           | 6.42           | 505.17                      | 0.11              | 42.27           |
| 0.753                                                          | 15.06      | 5.08                | 1.41           | 6.39           | 544.57                      | 0.07              | 42.27           |
| 0.831                                                          | 15.05      | 5.08                | 0.69           | 6.38           | 438.37                      | 0.07              | 42.27           |
| 0.892                                                          | 15.05      | 5.08                | 0.27           | 6.39           | 621.2                       | 0.11              | 42.27           |
| 0.934                                                          | 15.04      | 5.08                | 0.53           | 6.4            | 430.91                      | 0.07              | 42.26           |
| 0.99                                                           | 15.04      | 5.08                | 0.46           | 6.41           | 690.93                      | 0.06              | 42.26           |
| 1.075                                                          | 15.03      | 5.08                | 0.57           | 6.44           | 384.83                      | 0.12              | 42.26           |
| 1.176                                                          | 15.02      | 5.08                | 0.53           | 6.48           | 394.86                      | 0.14              | 42.26           |
| 1.26                                                           | 15.01      | 5.08                | 0.61           | 6.51           | 286.17                      | 0.1               | 42.26           |
| 1.308                                                          | 15.0       | 5.08                | 0.61           | 6.54           | 333.09                      | 0.1               | 42.27           |
| 1.326                                                          | 15.0       | 5.08                | 0.65           | 6.57           | 531.35                      | 0.11              | 42.28           |
| 1.348                                                          | 15.0       | 5.08                | 0.65           | 6.59           | 386.89                      | 0.09              | 42.27           |
| 1.406                                                          | 15.0       | 5.08                | 0.65           | 6.6            | 337.2                       | 0.12              | 42.27           |
| 1.507                                                          | 14.99      | 5.07                | 0.5            | 6.63           | 575.72                      | 0.3               | 42.22           |
| 1.608                                                          | 14.96      | 5.06                | 0.69           | 6.65           | 369.19                      | 0.4               | 42.2            |
| 1.667                                                          | 14.93      | 5.06                | 0.57           | 6.67           | 471.46                      | 0.35              | 42.22           |
| 1.681                                                          | 14.9       | 5.06                | 0.53           | 6.7            | 314.26                      | 0.39              | 42.25           |
| 1.684                                                          | 14.88      | 5.06                | 0.57           | 6.73           | 367.48                      | 0.39              | 42.26           |
| 1.716                                                          | 14.87      | 5.06                | 0.72           | 6.75           | 386.98                      | 0.43              | 42.27           |
| 1.788                                                          | 14.86      | 5.06                | 0.61           | 6.77           | 394.13                      | 0.41              | 42.27           |
| 1.868                                                          | 14.85      | 5.06                | 0.61           | 6.76           | 407.6                       | 0.4               | 42.27           |
| 1.941                                                          | 14.82      | 5.05                | 0.65           | 6.74           | 483.86                      | 0.4               | 42.24           |
| 1.994                                                          | 14.77      | 5.04                | 0.61           | 6.72           | 1079.4                      | 0.42              | 42.22           |
| 2.033                                                          | 14.72      | 5.04                | 0.65           | 6.69           | 388.14                      | 0.4               | 42.22           |
| 2.083                                                          | 14.67      | 5.03                | 0.69           | 6.66           | 506.82                      | 0.39              | 42.2            |
| 2.154                                                          | 14.61      | 5.03                | 0.69           | 6.64           | 888.89                      | 0.39              | 42.21           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.22  | 14.57 | 5.02 | 0.61 | 6.61 | 458.95 | 0.38 | 42.24 |
| 2.266 | 14.53 | 5.02 | 0.53 | 6.61 | 649.01 | 0.42 | 42.25 |
| 2.3   | 14.5  | 5.02 | 0.61 | 6.63 | 773.13 | 0.4  | 42.27 |
| 2.324 | 14.48 | 5.02 | 0.69 | 6.64 | 944.54 | 0.41 | 42.28 |
| 2.351 | 14.47 | 5.02 | 0.65 | 6.67 | 501.09 | 0.44 | 42.28 |
| 2.41  | 14.46 | 5.01 | 0.76 | 6.69 | 641.98 | 0.42 | 42.28 |
| 2.502 | 14.45 | 5.01 | 0.69 | 6.71 | 743.08 | 0.44 | 42.28 |
| 2.586 | 14.45 | 5.01 | 0.61 | 6.74 | 901.13 | 0.42 | 42.28 |
| 2.637 | 14.44 | 5.01 | 0.69 | 6.77 | 773.13 | 0.47 | 42.28 |
| 2.653 | 14.44 | 5.01 | 0.72 | 6.81 | 446.16 | 0.44 | 42.27 |
| 2.666 | 14.43 | 5.01 | 0.76 | 6.83 | 968.03 | 0.44 | 42.26 |
| 2.706 | 14.43 | 5.01 | 0.65 | 6.86 | 785.04 | 0.45 | 42.26 |
| 2.775 | 14.42 | 5.01 | 0.72 | 6.88 | 530.49 | 0.48 | 42.26 |
| 2.869 | 14.41 | 5.01 | 0.8  | 6.9  | 556.31 | 0.37 | 42.25 |
| 2.964 | 14.4  | 5.01 | 0.65 | 6.91 | 813.95 | 0.45 | 42.26 |
| 3.038 | 14.4  | 5.01 | 0.57 | 6.93 | 497.62 | 0.52 | 42.26 |
| 3.09  | 14.39 | 5.01 | 0.57 | 6.93 | 379.87 | 0.54 | 42.27 |
| 3.133 | 14.39 | 5.01 | 0.69 | 6.95 | 659.63 | 0.54 | 42.27 |
| 3.173 | 14.39 | 5.01 | 0.53 | 6.96 | 589.63 | 0.54 | 42.27 |
| 3.216 | 14.39 | 5.01 | 0.53 | 6.98 | 634.14 | 0.55 | 42.27 |
| 3.288 | 14.39 | 5.01 | 0.61 | 6.99 | 540.42 | 0.59 | 42.27 |
| 3.376 | 14.39 | 5.0  | 0.61 | 7.0  | 468.63 | 0.6  | 42.27 |
| 3.455 | 14.38 | 5.0  | 0.69 | 7.02 | 469.17 | 0.56 | 42.27 |
| 3.505 | 14.38 | 5.0  | 0.53 | 7.02 | 618.75 | 0.57 | 42.27 |
| 3.531 | 14.38 | 5.0  | 0.53 | 7.03 | 510.47 | 0.56 | 42.27 |
| 3.58  | 14.38 | 5.0  | 0.57 | 7.03 | 601.08 | 0.55 | 42.27 |
| 3.66  | 14.38 | 5.0  | 0.65 | 7.02 | 536.18 | 0.54 | 42.27 |
| 3.734 | 14.38 | 5.0  | 0.72 | 7.02 | 468.95 | 0.55 | 42.27 |
| 3.785 | 14.38 | 5.0  | 0.53 | 7.02 | 531.85 | 0.48 | 42.27 |
| 3.824 | 14.38 | 5.01 | 0.5  | 7.03 | 572.13 | 0.5  | 42.27 |
| 3.851 | 14.38 | 5.0  | 0.57 | 7.03 | 518.22 | 0.52 | 42.27 |
| 3.881 | 14.38 | 5.0  | 0.5  | 7.04 | 479.28 | 0.54 | 42.27 |
| 3.936 | 14.38 | 5.0  | 0.57 | 7.05 | 384.47 | 0.54 | 42.27 |
| 4.01  | 14.38 | 5.0  | 0.65 | 7.06 | 398.26 | 0.55 | 42.27 |
| 4.086 | 14.38 | 5.0  | 0.57 | 7.07 | 519.78 | 0.55 | 42.27 |
| 4.142 | 14.38 | 5.0  | 0.53 | 7.08 | 473.87 | 0.55 | 42.27 |
| 4.17  | 14.38 | 5.01 | 0.57 | 7.08 | 530.49 | 0.55 | 42.27 |
| 4.199 | 14.38 | 5.0  | 0.61 | 7.09 | 469.71 | 0.57 | 42.27 |
| 4.226 | 14.38 | 5.0  | 0.69 | 7.09 | 431.51 | 0.55 | 42.27 |
| 4.255 | 14.38 | 5.0  | 0.65 | 7.09 | 429.62 | 0.57 | 42.26 |
| 4.311 | 14.38 | 5.0  | 0.53 | 7.1  | 408.73 | 0.57 | 42.26 |
| 4.397 | 14.38 | 5.0  | 0.5  | 7.11 | 435.53 | 0.55 | 42.26 |
| 4.475 | 14.38 | 5.0  | 0.57 | 7.11 | 500.16 | 0.59 | 42.27 |
| 4.544 | 14.38 | 5.0  | 0.5  | 7.11 | 438.16 | 0.62 | 42.27 |
| 4.596 | 14.38 | 5.0  | 0.76 | 7.11 | 418.12 | 0.6  | 42.27 |
| 4.639 | 14.38 | 5.0  | 0.61 | 7.11 | 387.78 | 0.57 | 42.27 |
| 4.664 | 14.38 | 5.0  | 0.57 | 7.11 | 330.7  | 0.55 | 42.27 |
| 4.681 | 14.38 | 5.0  | 0.61 | 7.12 | 410.25 | 0.6  | 42.26 |
| 4.726 | 14.38 | 5.0  | 0.61 | 7.11 | 459.7  | 0.59 | 42.27 |
| 4.81  | 14.38 | 5.0  | 0.69 | 7.11 | 418.03 | 0.56 | 42.27 |
| 4.897 | 14.38 | 5.01 | 0.61 | 7.11 | 378.64 | 0.62 | 42.27 |
| 4.968 | 14.38 | 5.0  | 0.46 | 7.12 | 346.15 | 0.64 | 42.26 |
| 5.001 | 14.38 | 5.0  | 0.61 | 7.13 | 377.85 | 0.66 | 42.26 |
| 5.008 | 14.38 | 5.0  | 0.76 | 7.13 | 405.05 | 0.67 | 42.27 |
| 5.075 | 14.38 | 5.0  | 0.65 | 7.14 | 418.12 | 0.61 | 42.27 |
| 5.191 | 14.38 | 5.0  | 0.65 | 7.15 | 368.08 | 0.68 | 42.26 |
| 5.298 | 14.38 | 5.0  | 0.69 | 7.17 | 341.29 | 0.69 | 42.27 |
| 5.337 | 14.38 | 5.0  | 0.61 | 7.22 | 359.56 | 0.72 | 42.27 |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 5.357 | 14.38 | 5.0  | 0.57 | 7.24 | 369.28 | 0.7  | 42.27 |
| 5.431 | 14.38 | 5.0  | 0.53 | 7.26 | 358.73 | 0.73 | 42.26 |
| 5.548 | 14.38 | 5.0  | 0.46 | 7.31 | 347.12 | 0.77 | 42.26 |
| 5.651 | 14.38 | 5.0  | 0.57 | 7.39 | 281.5  | 0.73 | 42.26 |
| 5.706 | 14.38 | 5.0  | 0.61 | 7.45 | 256.4  | 0.76 | 42.26 |
| 5.719 | 14.38 | 5.0  | 0.57 | 7.53 | 291.73 | 0.74 | 42.27 |
| 5.727 | 14.38 | 5.0  | 0.61 | 7.58 | 355.34 | 0.73 | 42.27 |
| 5.769 | 14.38 | 5.0  | 0.61 | 7.62 | 337.2  | 0.79 | 42.26 |
| 5.847 | 14.38 | 5.0  | 0.61 | 7.67 | 288.1  | 0.78 | 42.26 |
| 5.953 | 14.38 | 5.0  | 0.46 | 7.76 | 254.33 | 0.8  | 42.26 |
| 6.053 | 14.38 | 5.0  | 0.61 | 7.87 | 251.69 | 0.77 | 42.26 |
| 6.09  | 14.38 | 5.0  | 0.69 | 8.06 | 292.88 | 0.88 | 42.26 |
| 6.104 | 14.38 | 5.0  | 0.61 | 8.09 | 282.81 | 0.83 | 42.27 |
| 6.14  | 14.38 | 5.0  | 0.76 | 8.1  | 255.57 | 0.85 | 42.27 |
| 6.162 | 14.38 | 5.01 | 0.72 | 8.07 | 257.53 | 0.83 | 42.27 |



### 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>        | 14.37         | 4.98                   | 0.0               | 6.66              | 275.94                         | 0.16                 | 41.86              |
| <b>PROF (metros)</b> | 2.776         | 2.374                  | 0.675             | 1.128             | 4.997                          | 0.59                 | 2.367              |
| <b>MÁXIMO</b>        | 14.96         | 14.96                  | 1.95              | 7.51              | 3275.3                         | 0.54                 | 42.18              |
| <b>PROF (metros)</b> | 0.59          | 0.59                   | 0.59              | 5.205             | 0.886                          | 3.703                | 3.237              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E04 - Punto 019                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.95      | 5.04                | 1.07           | 6.74           | 3059.05                     | 0.19              | 41.98           |
| 1 - 2m                                                     | 14.87      | 5.03                | 0.45           | 6.79           | 789.02                      | 0.22              | 41.96           |
| 2 - 3m                                                     | 14.55      | 4.99                | 0.51           | 7.0            | 578.61                      | 0.29              | 41.95           |
| 3 - 4m                                                     | 14.43      | 5.0                 | 0.49           | 7.19           | 384.11                      | 0.46              | 42.14           |
| 4 - 5m                                                     | 14.45      | 5.0                 | 0.51           | 7.35           | 394.56                      | 0.44              | 42.14           |
| 5 - 6m                                                     | 14.47      | 5.0                 | 0.49           | 7.45           | 393.1                       | 0.44              | 42.14           |

| 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) |
| 0.59                                                           | 14.96      | 5.04                | 1.95           | 6.78           | 2842.8                      | 0.16              | 41.99           |
| 0.675                                                          | 14.96      | 5.04                | 0.0            | 6.77           | 2579.7                      | 0.18              | 41.98           |
| 0.75                                                           | 14.96      | 5.04                | 0.0            | 6.77           | 709.75                      | 0.22              | 41.97           |
| 0.797                                                          | 14.95      | 5.04                | 0.0            | 6.75           | 1608.9                      | 0.21              | 41.97           |
| 0.824                                                          | 14.95      | 5.04                | 0.0            | 6.73           | 943.45                      | 0.22              | 41.98           |
| 0.886                                                          | 14.94      | 5.04                | 0.19           | 6.7            | 3275.3                      | 0.22              | 41.97           |
| 1.001                                                          | 14.94      | 5.04                | 0.42           | 6.68           | 1126.5                      | 0.22              | 41.98           |
| 1.128                                                          | 14.94      | 5.04                | 0.57           | 6.66           | 550.03                      | 0.24              | 41.97           |
| 1.248                                                          | 14.93      | 5.04                | 0.34           | 6.67           | 673.38                      | 0.22              | 41.97           |
| 1.337                                                          | 14.92      | 5.04                | 0.38           | 6.7            | 1570.6                      | 0.24              | 41.97           |
| 1.382                                                          | 14.91      | 5.03                | 0.42           | 6.71           | 781.96                      | 0.23              | 41.97           |
| 1.406                                                          | 14.9       | 5.03                | 0.46           | 6.74           | 623.5                       | 0.22              | 41.97           |
| 1.417                                                          | 14.89      | 5.03                | 0.46           | 6.76           | 767.06                      | 0.21              | 41.97           |
| 1.449                                                          | 14.88      | 5.03                | 0.38           | 6.77           | 743.6                       | 0.23              | 41.98           |
| 1.534                                                          | 14.88      | 5.03                | 0.57           | 6.78           | 1087.0                      | 0.24              | 41.98           |
| 1.631                                                          | 14.87      | 5.03                | 0.46           | 6.8            | 670.11                      | 0.24              | 41.96           |
| 1.694                                                          | 14.86      | 5.03                | 0.38           | 6.82           | 645.26                      | 0.16              | 41.96           |
| 1.731                                                          | 14.85      | 5.03                | 0.42           | 6.86           | 595.12                      | 0.23              | 41.96           |
| 1.775                                                          | 14.84      | 5.02                | 0.42           | 6.88           | 410.35                      | 0.22              | 41.95           |
| 1.841                                                          | 14.82      | 5.02                | 0.53           | 6.91           | 857.72                      | 0.23              | 41.93           |
| 1.919                                                          | 14.8       | 5.02                | 0.46           | 6.94           | 751.92                      | 0.16              | 41.92           |
| 1.987                                                          | 14.77      | 5.01                | 0.57           | 6.96           | 770.26                      | 0.23              | 41.94           |
| 2.027                                                          | 14.75      | 5.01                | 0.5            | 6.98           | 546.09                      | 0.25              | 41.95           |
| 2.048                                                          | 14.73      | 5.01                | 0.46           | 6.99           | 478.06                      | 0.23              | 41.96           |
| 2.092                                                          | 14.72      | 5.01                | 0.46           | 6.99           | 759.1                       | 0.24              | 41.97           |
| 2.175                                                          | 14.72      | 5.01                | 0.5            | 6.99           | 510.35                      | 0.26              | 41.95           |
| 2.261                                                          | 14.7       | 5.0                 | 0.3            | 6.99           | 1007.9                      | 0.25              | 41.89           |
| 2.33                                                           | 14.65      | 4.99                | 0.42           | 7.0            | 607.95                      | 0.27              | 41.88           |
| 2.367                                                          | 14.59      | 4.99                | 0.53           | 7.0            | 693.65                      | 0.28              | 41.86           |
| 2.374                                                          | 14.53      | 4.98                | 0.57           | 7.0            | 461.09                      | 0.28              | 41.89           |
| 2.383                                                          | 14.48      | 4.98                | 0.53           | 7.0            | 389.22                      | 0.3               | 41.93           |
| 2.454                                                          | 14.45      | 4.98                | 0.53           | 7.0            | 530.74                      | 0.31              | 41.96           |
| 2.598                                                          | 14.43      | 4.98                | 0.53           | 7.0            | 629.9                       | 0.31              | 41.94           |
| 2.751                                                          | 14.4       | 4.98                | 0.53           | 7.0            | 526.94                      | 0.27              | 41.97           |
| 2.776                                                          | 14.37      | 4.98                | 0.61           | 7.03           | 732.99                      | 0.33              | 42.03           |
| 2.841                                                          | 14.37      | 4.98                | 0.57           | 7.04           | 453.56                      | 0.34              | 42.03           |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 2.984 | 14.37 | 4.98 | 0.57 | 7.06 | 351.65 | 0.33 | 42.06 |
| 3.134 | 14.37 | 4.99 | 0.34 | 7.08 | 436.85 | 0.37 | 42.14 |
| 3.237 | 14.39 | 5.0  | 0.53 | 7.09 | 444.3  | 0.38 | 42.18 |
| 3.267 | 14.43 | 5.0  | 0.53 | 7.1  | 423.29 | 0.4  | 42.15 |
| 3.273 | 14.44 | 5.0  | 0.46 | 7.11 | 467.43 | 0.4  | 42.12 |
| 3.331 | 14.44 | 5.0  | 0.46 | 7.12 | 328.33 | 0.5  | 42.12 |
| 3.438 | 14.44 | 5.0  | 0.57 | 7.14 | 410.25 | 0.5  | 42.14 |
| 3.565 | 14.44 | 5.0  | 0.46 | 7.16 | 336.66 | 0.52 | 42.15 |
| 3.662 | 14.44 | 5.0  | 0.5  | 7.19 | 299.47 | 0.5  | 42.14 |
| 3.703 | 14.45 | 5.0  | 0.53 | 7.22 | 327.57 | 0.54 | 42.14 |
| 3.726 | 14.45 | 5.0  | 0.61 | 7.24 | 323.27 | 0.53 | 42.14 |
| 3.746 | 14.45 | 5.0  | 0.34 | 7.26 | 365.53 | 0.49 | 42.14 |
| 3.759 | 14.45 | 5.0  | 0.53 | 7.28 | 382.61 | 0.46 | 42.14 |
| 3.802 | 14.45 | 5.0  | 0.53 | 7.29 | 441.94 | 0.44 | 42.14 |
| 3.894 | 14.45 | 5.0  | 0.46 | 7.31 | 390.04 | 0.45 | 42.14 |
| 4.002 | 14.45 | 5.0  | 0.5  | 7.31 | 345.27 | 0.43 | 42.14 |
| 4.081 | 14.45 | 5.0  | 0.53 | 7.31 | 343.67 | 0.4  | 42.14 |
| 4.125 | 14.45 | 5.0  | 0.53 | 7.32 | 428.62 | 0.42 | 42.14 |
| 4.143 | 14.45 | 5.0  | 0.53 | 7.33 | 386.26 | 0.43 | 42.14 |
| 4.148 | 14.45 | 5.0  | 0.46 | 7.33 | 353.37 | 0.42 | 42.14 |
| 4.173 | 14.45 | 5.0  | 0.61 | 7.33 | 446.26 | 0.44 | 42.14 |
| 4.241 | 14.45 | 5.0  | 0.5  | 7.34 | 542.81 | 0.45 | 42.14 |
| 4.341 | 14.45 | 5.0  | 0.57 | 7.34 | 412.25 | 0.44 | 42.14 |
| 4.437 | 14.45 | 5.0  | 0.46 | 7.34 | 405.24 | 0.44 | 42.14 |
| 4.513 | 14.45 | 5.0  | 0.61 | 7.34 | 380.66 | 0.44 | 42.14 |
| 4.57  | 14.45 | 5.0  | 0.57 | 7.35 | 413.02 | 0.46 | 42.14 |
| 4.601 | 14.46 | 5.0  | 0.46 | 7.34 | 381.9  | 0.45 | 42.14 |
| 4.623 | 14.46 | 5.0  | 0.42 | 7.36 | 440.4  | 0.47 | 42.14 |
| 4.667 | 14.46 | 5.0  | 0.57 | 7.36 | 461.41 | 0.47 | 42.14 |
| 4.736 | 14.46 | 5.0  | 0.42 | 7.36 | 384.47 | 0.47 | 42.14 |
| 4.826 | 14.46 | 5.0  | 0.53 | 7.4  | 362.58 | 0.48 | 42.14 |
| 4.919 | 14.46 | 5.0  | 0.34 | 7.38 | 337.99 | 0.45 | 42.14 |
| 4.997 | 14.46 | 5.0  | 0.53 | 7.4  | 275.94 | 0.44 | 42.14 |
| 5.048 | 14.47 | 5.0  | 0.53 | 7.41 | 352.22 | 0.48 | 42.15 |
| 5.065 | 14.47 | 5.0  | 0.53 | 7.42 | 473.32 | 0.45 | 42.13 |
| 5.084 | 14.47 | 5.0  | 0.46 | 7.43 | 438.16 | 0.41 | 42.13 |
| 5.152 | 14.47 | 5.0  | 0.42 | 7.45 | 370.48 | 0.43 | 42.13 |
| 5.196 | 14.47 | 5.0  | 0.53 | 7.48 | 366.8  | 0.43 | 42.14 |
| 5.205 | 14.47 | 5.0  | 0.46 | 7.51 | 357.65 | 0.46 | 42.13 |