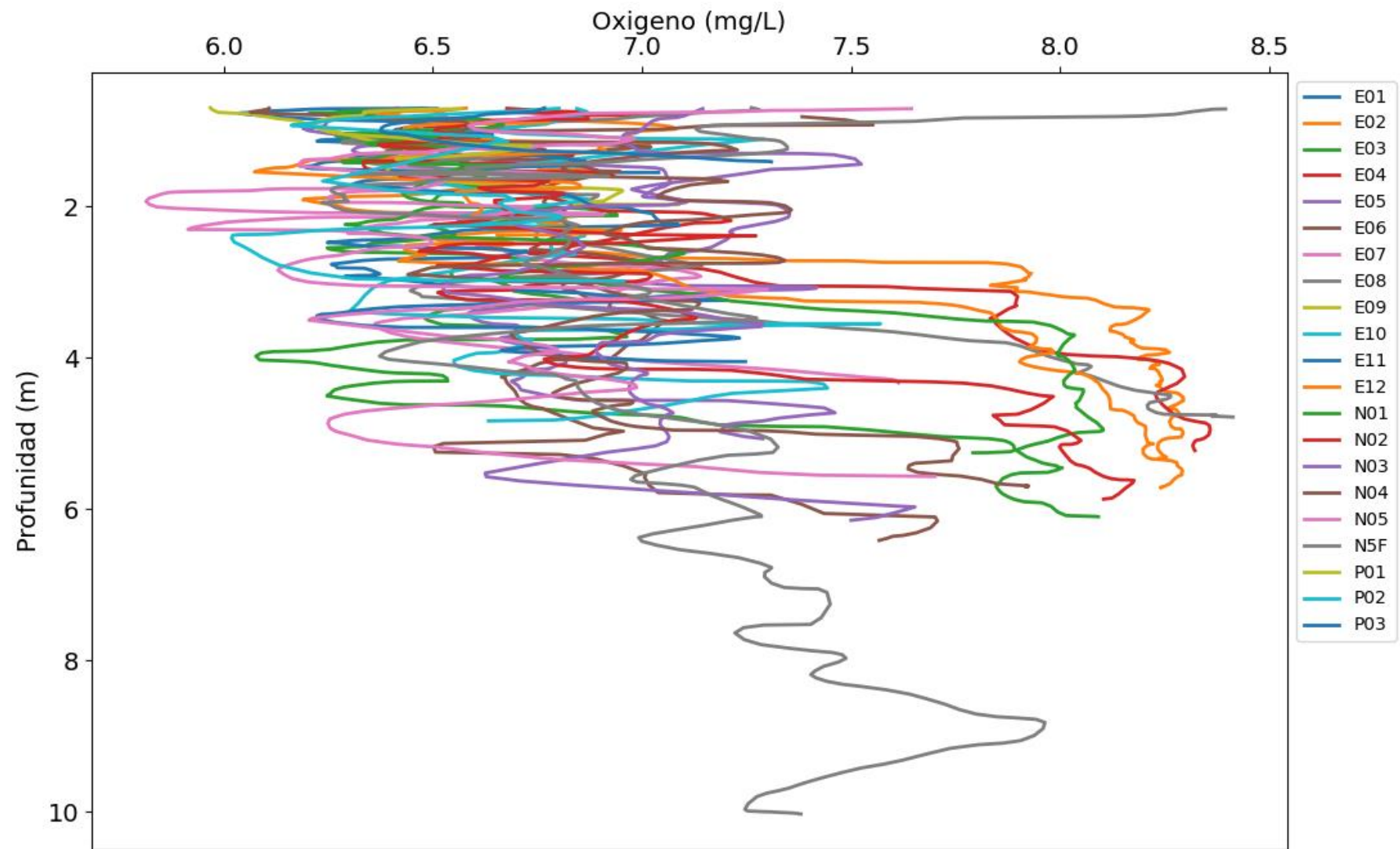
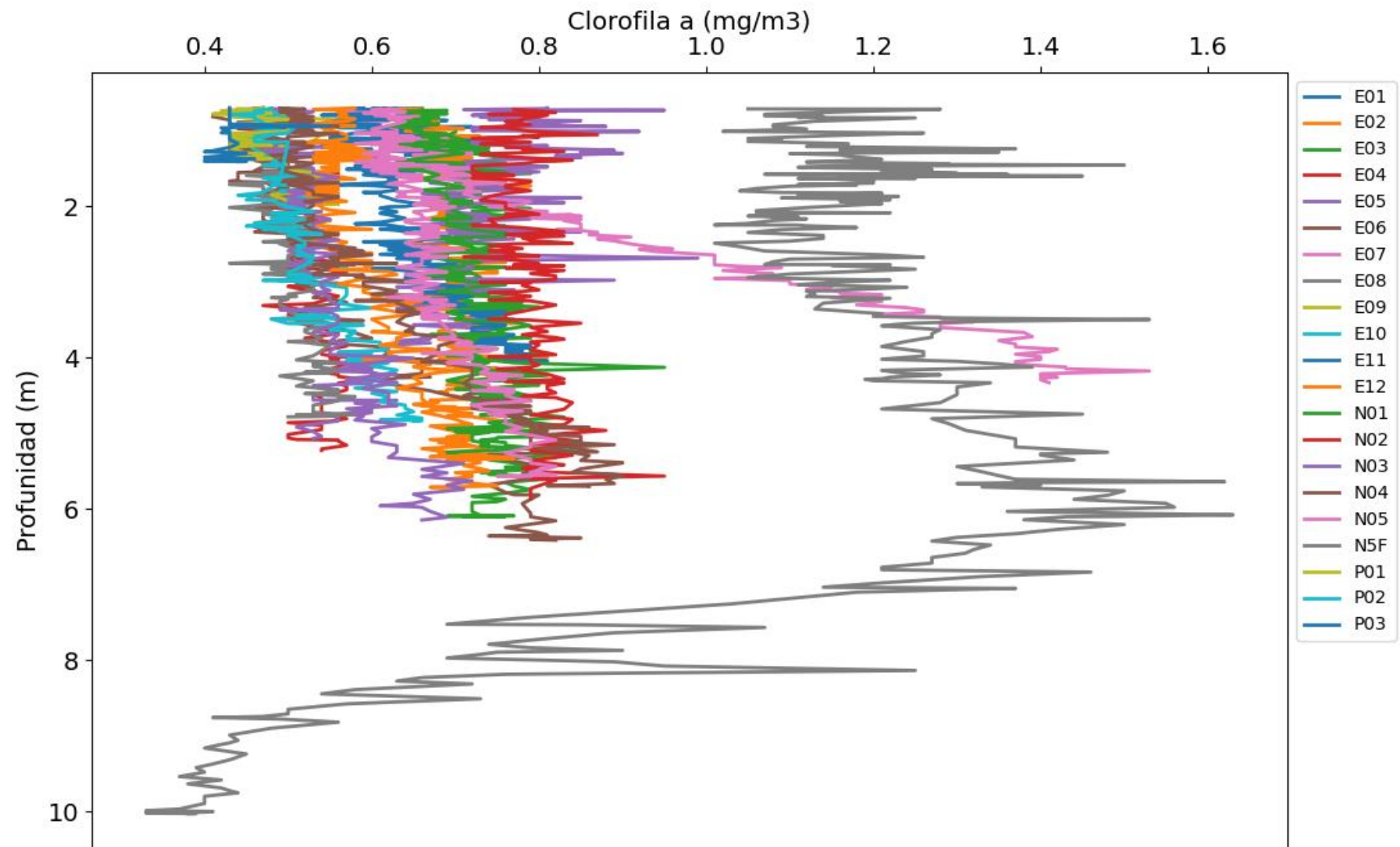
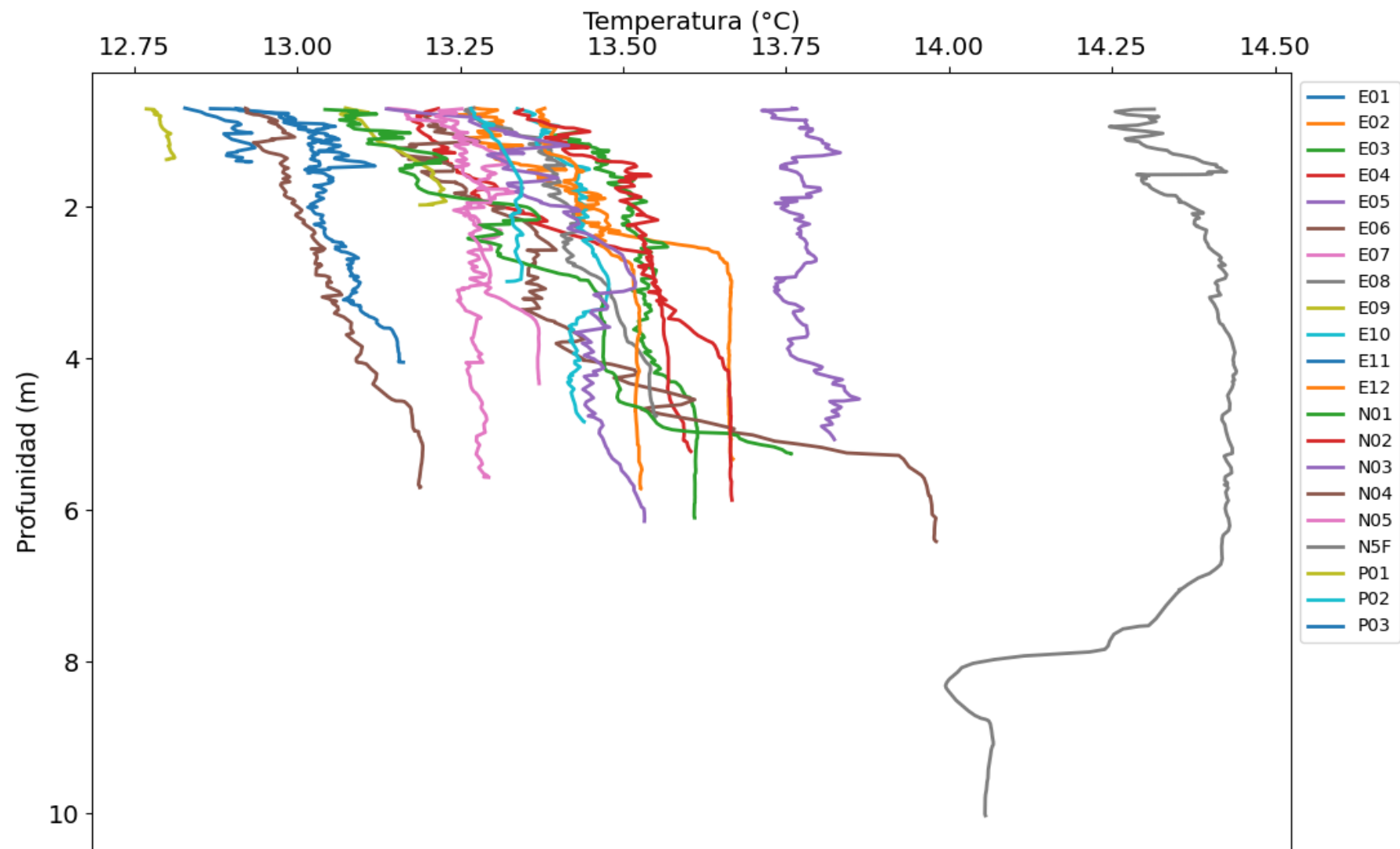
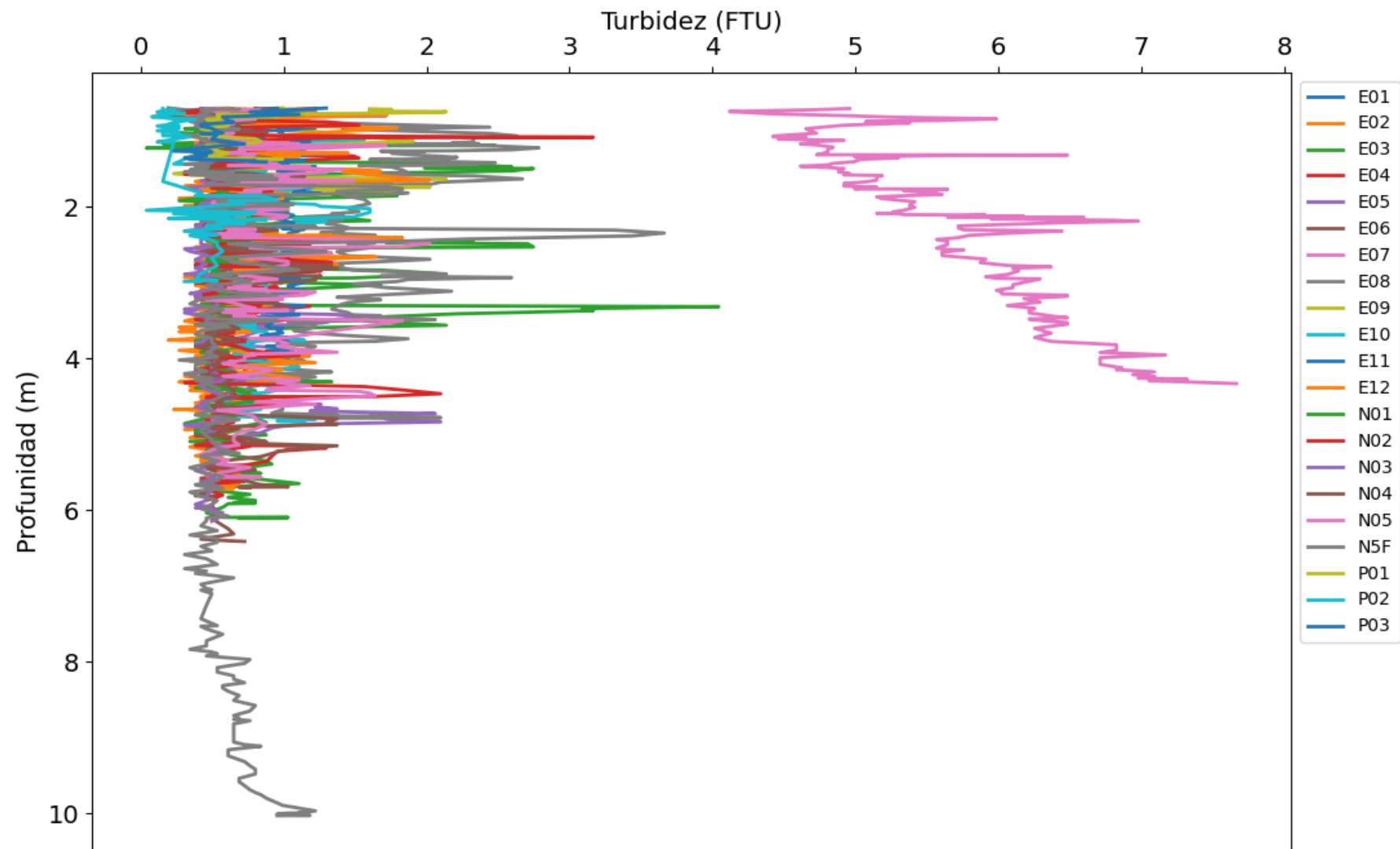


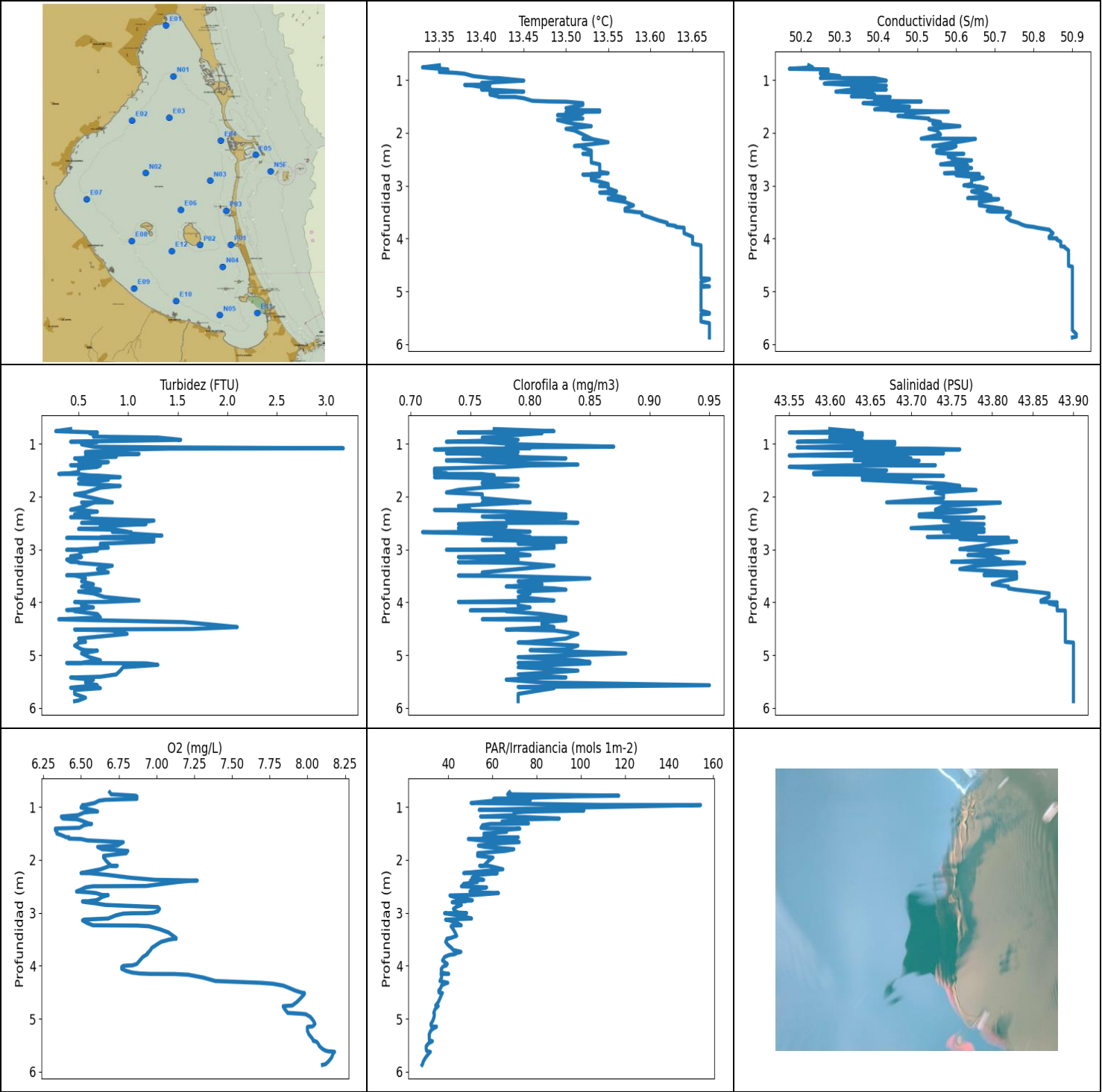












| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.33      | 50.17               | 0.27           | 6.33           | 28.27                       | 0.71              | 43.55           |
| PROF (metros)                                                                | 0.762      | 0.788               | 0.762          | 1.411          | 5.872                       | 2.673             | 0.788           |
| MÁXIMO                                                                       | 13.67      | 13.67               | 3.17           | 8.18           | 154.23                      | 0.95              | 43.9            |
| PROF (metros)                                                                | 4.763      | 5.806               | 1.087          | 5.625          | 0.965                       | 5.57              | 4.763           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N02 - Punto 001                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.37      | 50.26               | 0.72           | 6.69           | 86.18                       | 0.77              | 43.61           |
| 1 - 2m                                                     | 13.47      | 50.43               | 0.73           | 6.52           | 66.0                        | 0.76              | 43.66           |
| 2 - 3m                                                     | 13.53      | 50.61               | 0.79           | 6.73           | 50.05                       | 0.78              | 43.76           |
| 3 - 4m                                                     | 13.59      | 50.73               | 0.59           | 6.89           | 41.73                       | 0.78              | 43.82           |
| 4 - 5m                                                     | 13.66      | 50.89               | 0.73           | 7.55           | 36.5                        | 0.8               | 43.89           |
| 5 - 6m                                                     | 13.67      | 50.9                | 0.65           | 8.08           | 31.54                       | 0.81              | 43.9            |

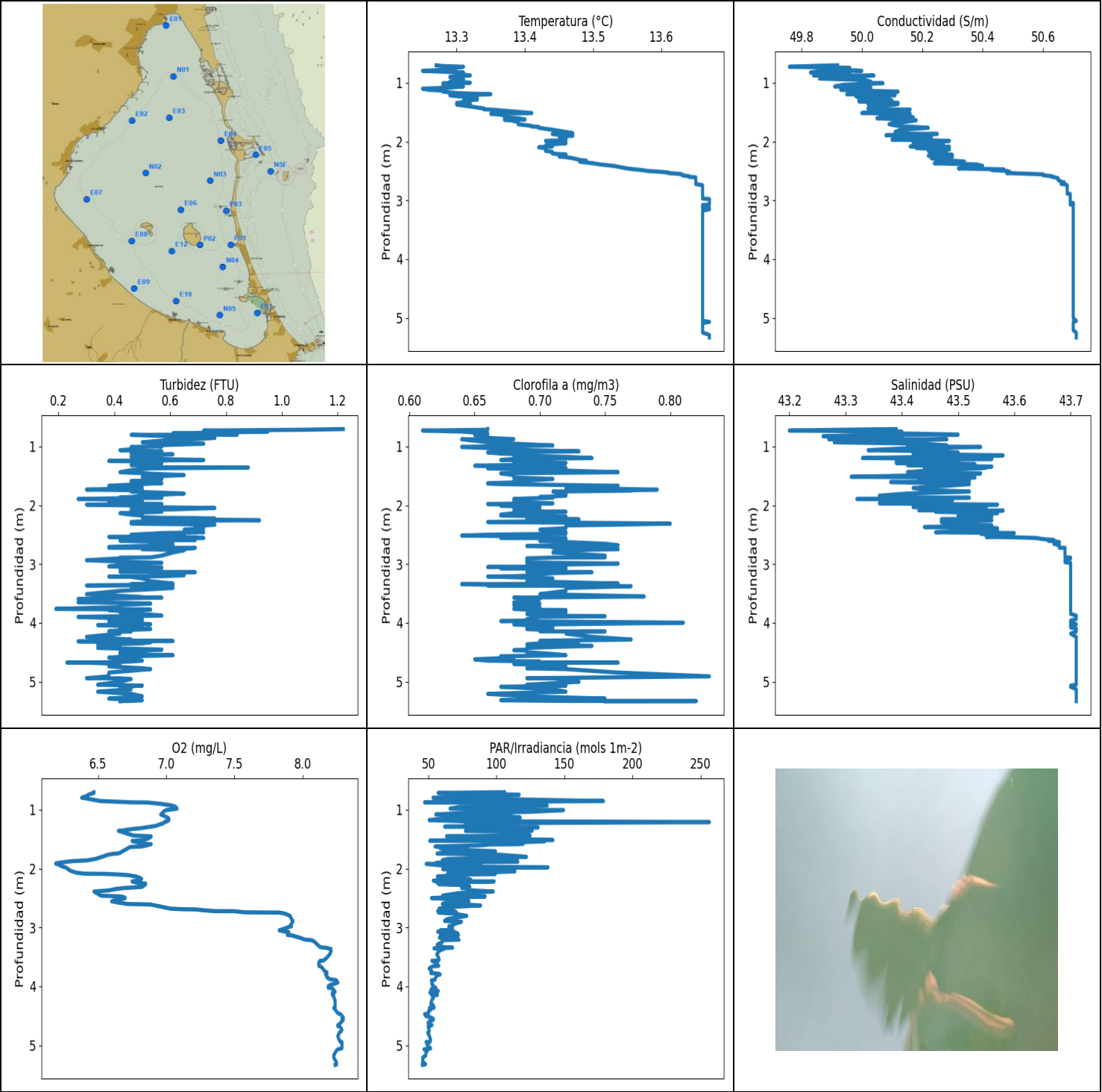
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| 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) |
| 0.723                                                          | 13.35      | 50.22               | 0.42           | 6.69           | 67.83                       | 0.77              | 43.6            |
| 0.762                                                          | 13.33      | 50.23               | 0.27           | 6.7            | 66.99                       | 0.82              | 43.63           |
| 0.788                                                          | 13.35      | 50.17               | 0.69           | 6.86           | 117.22                      | 0.74              | 43.55           |
| 0.8                                                            | 13.36      | 50.27               | 0.61           | 6.87           | 97.4                        | 0.81              | 43.64           |
| 0.849                                                          | 13.35      | 50.27               | 0.69           | 6.87           | 60.61                       | 0.78              | 43.64           |
| 0.866                                                          | 13.37      | 50.25               | 0.65           | 6.66           | 77.2                        | 0.78              | 43.6            |
| 0.883                                                          | 13.38      | 50.25               | 1.3            | 6.62           | 60.66                       | 0.76              | 43.6            |
| 0.926                                                          | 13.39      | 50.3                | 1.53           | 6.59           | 50.43                       | 0.79              | 43.64           |
| 0.963                                                          | 13.41      | 50.25               | 0.42           | 6.53           | 109.22                      | 0.73              | 43.56           |
| 0.965                                                          | 13.42      | 50.39               | 0.69           | 6.51           | 154.23                      | 0.76              | 43.68           |
| 1.012                                                          | 13.45      | 50.42               | 0.53           | 6.5            | 98.63                       | 0.79              | 43.68           |
| 1.057                                                          | 13.4       | 50.27               | 0.65           | 6.57           | 54.09                       | 0.87              | 43.59           |
| 1.069                                                          | 13.41      | 50.26               | 1.34           | 6.59           | 101.43                      | 0.78              | 43.56           |
| 1.087                                                          | 13.41      | 50.31               | 3.17           | 6.61           | 78.26                       | 0.8               | 43.61           |
| 1.093                                                          | 13.38      | 50.38               | 1.41           | 6.56           | 74.58                       | 0.74              | 43.72           |
| 1.107                                                          | 13.39      | 50.42               | 1.03           | 6.52           | 69.92                       | 0.72              | 43.76           |
| 1.156                                                          | 13.41      | 50.33               | 0.57           | 6.48           | 70.26                       | 0.79              | 43.63           |
| 1.182                                                          | 13.4       | 50.42               | 0.57           | 6.37           | 54.72                       | 0.73              | 43.74           |
| 1.192                                                          | 13.42      | 50.32               | 1.11           | 6.37           | 74.47                       | 0.76              | 43.62           |
| 1.22                                                           | 13.45      | 50.29               | 0.69           | 6.38           | 90.33                       | 0.76              | 43.55           |
| 1.233                                                          | 13.41      | 50.33               | 0.57           | 6.47           | 76.72                       | 0.79              | 43.64           |
| 1.246                                                          | 13.41      | 50.38               | 0.88           | 6.49           | 73.09                       | 0.78              | 43.69           |
| 1.277                                                          | 13.41      | 50.39               | 0.46           | 6.52           | 64.42                       | 0.83              | 43.7            |
| 1.312                                                          | 13.42      | 50.33               | 0.65           | 6.55           | 76.4                        | 0.73              | 43.63           |
| 1.321                                                          | 13.42      | 50.43               | 0.5            | 6.57           | 64.71                       | 0.73              | 43.71           |
| 1.322                                                          | 13.44      | 50.37               | 0.53           | 6.56           | 59.15                       | 0.74              | 43.65           |
| 1.346                                                          | 13.45      | 50.41               | 0.8            | 6.52           | 55.66                       | 0.76              | 43.66           |
| 1.394                                                          | 13.46      | 50.39               | 0.61           | 6.49           | 54.91                       | 0.84              | 43.64           |
| 1.407                                                          | 13.48      | 50.51               | 0.42           | 6.35           | 57.63                       | 0.82              | 43.73           |
| 1.411                                                          | 13.5       | 50.42               | 0.72           | 6.33           | 72.48                       | 0.8               | 43.62           |
| 1.439                                                          | 13.52      | 50.36               | 0.69           | 6.33           | 64.4                        | 0.78              | 43.55           |
| 1.471                                                          | 13.52      | 50.42               | 0.5            | 6.34           | 66.51                       | 0.72              | 43.6            |
| 1.504                                                          | 13.51      | 50.48               | 0.5            | 6.34           | 56.22                       | 0.72              | 43.67           |
| 1.533                                                          | 13.5       | 50.41               | 0.5            | 6.37           | 57.18                       | 0.72              | 43.61           |
| 1.557                                                          | 13.51      | 50.39               | 0.42           | 6.39           | 60.55                       | 0.73              | 43.58           |
| 1.572                                                          | 13.52      | 50.47               | 0.3            | 6.4            | 62.14                       | 0.72              | 43.65           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.573 | 13.53 | 50.43 | 0.5  | 6.42 | 56.04 | 0.76 | 43.59 |
| 1.575 | 13.54 | 50.43 | 0.5  | 6.42 | 71.73 | 0.76 | 43.58 |
| 1.599 | 13.54 | 50.58 | 0.61 | 6.42 | 69.41 | 0.77 | 43.72 |
| 1.606 | 13.5  | 50.54 | 0.72 | 6.5  | 49.17 | 0.74 | 43.74 |
| 1.632 | 13.52 | 50.47 | 0.92 | 6.54 | 54.74 | 0.72 | 43.64 |
| 1.666 | 13.49 | 50.49 | 0.5  | 6.78 | 72.21 | 0.79 | 43.7  |
| 1.682 | 13.51 | 50.45 | 0.8  | 6.77 | 64.44 | 0.79 | 43.64 |
| 1.73  | 13.52 | 50.53 | 0.57 | 6.74 | 53.75 | 0.76 | 43.71 |
| 1.755 | 13.49 | 50.53 | 0.5  | 6.61 | 56.59 | 0.76 | 43.74 |
| 1.798 | 13.5  | 50.56 | 0.92 | 6.64 | 69.76 | 0.79 | 43.76 |
| 1.831 | 13.51 | 50.54 | 0.72 | 6.81 | 65.99 | 0.76 | 43.72 |
| 1.874 | 13.53 | 50.61 | 0.65 | 6.8  | 53.43 | 0.74 | 43.78 |
| 1.924 | 13.5  | 50.53 | 0.57 | 6.65 | 53.4  | 0.73 | 43.73 |
| 1.956 | 13.51 | 50.55 | 0.46 | 6.65 | 60.31 | 0.76 | 43.74 |
| 2.03  | 13.52 | 50.56 | 0.65 | 6.67 | 58.06 | 0.76 | 43.74 |
| 2.11  | 13.53 | 50.51 | 0.84 | 6.7  | 56.18 | 0.8  | 43.67 |
| 2.111 | 13.52 | 50.61 | 0.53 | 6.74 | 54.31 | 0.76 | 43.78 |
| 2.115 | 13.53 | 50.65 | 0.65 | 6.69 | 58.71 | 0.79 | 43.81 |
| 2.178 | 13.55 | 50.6  | 0.57 | 6.63 | 64.82 | 0.74 | 43.74 |
| 2.25  | 13.51 | 50.54 | 0.42 | 6.5  | 47.1  | 0.75 | 43.73 |
| 2.252 | 13.52 | 50.6  | 0.5  | 6.56 | 62.26 | 0.72 | 43.78 |
| 2.285 | 13.52 | 50.59 | 0.69 | 6.68 | 53.35 | 0.78 | 43.77 |
| 2.338 | 13.53 | 50.55 | 0.46 | 6.83 | 50.91 | 0.83 | 43.71 |
| 2.377 | 13.53 | 50.55 | 0.61 | 6.99 | 56.1  | 0.76 | 43.71 |
| 2.391 | 13.53 | 50.57 | 0.42 | 7.27 | 50.16 | 0.77 | 43.74 |
| 2.396 | 13.52 | 50.62 | 0.53 | 7.22 | 52.17 | 0.83 | 43.79 |
| 2.418 | 13.53 | 50.58 | 0.65 | 7.14 | 53.28 | 0.78 | 43.75 |
| 2.454 | 13.53 | 50.58 | 1.26 | 7.04 | 47.02 | 0.79 | 43.74 |
| 2.494 | 13.53 | 50.6  | 1.11 | 6.93 | 46.52 | 0.84 | 43.76 |
| 2.499 | 13.53 | 50.59 | 0.53 | 6.58 | 46.03 | 0.77 | 43.75 |
| 2.52  | 13.53 | 50.64 | 1.18 | 6.53 | 57.45 | 0.74 | 43.79 |
| 2.562 | 13.53 | 50.59 | 0.72 | 6.5  | 50.91 | 0.78 | 43.74 |
| 2.597 | 13.54 | 50.56 | 0.84 | 6.47 | 49.93 | 0.74 | 43.7  |
| 2.613 | 13.54 | 50.63 | 0.5  | 6.55 | 52.9  | 0.77 | 43.79 |
| 2.628 | 13.54 | 50.61 | 0.88 | 6.6  | 62.82 | 0.76 | 43.76 |
| 2.663 | 13.54 | 50.6  | 0.99 | 6.64 | 51.85 | 0.8  | 43.74 |
| 2.667 | 13.54 | 50.64 | 0.84 | 6.68 | 46.24 | 0.78 | 43.79 |
| 2.673 | 13.54 | 50.6  | 1.03 | 6.67 | 40.87 | 0.71 | 43.75 |
| 2.7   | 13.54 | 50.63 | 1.03 | 6.64 | 42.77 | 0.76 | 43.78 |
| 2.738 | 13.54 | 50.63 | 1.34 | 6.62 | 48.26 | 0.79 | 43.78 |
| 2.763 | 13.55 | 50.57 | 0.84 | 6.6  | 50.99 | 0.8  | 43.72 |
| 2.772 | 13.54 | 50.63 | 0.72 | 6.57 | 48.18 | 0.77 | 43.77 |
| 2.781 | 13.53 | 50.66 | 0.95 | 6.55 | 43.47 | 0.77 | 43.82 |
| 2.782 | 13.54 | 50.63 | 0.38 | 6.51 | 47.88 | 0.78 | 43.78 |
| 2.789 | 13.52 | 50.66 | 0.84 | 6.51 | 42.96 | 0.83 | 43.82 |
| 2.801 | 13.53 | 50.6  | 1.26 | 6.54 | 41.87 | 0.79 | 43.76 |
| 2.818 | 13.54 | 50.62 | 1.18 | 6.59 | 45.56 | 0.76 | 43.78 |
| 2.851 | 13.53 | 50.67 | 1.26 | 6.66 | 46.03 | 0.83 | 43.83 |
| 2.892 | 13.53 | 50.64 | 0.72 | 7.01 | 43.52 | 0.79 | 43.8  |
| 2.925 | 13.54 | 50.64 | 0.72 | 7.02 | 42.47 | 0.82 | 43.79 |
| 2.968 | 13.55 | 50.64 | 0.8  | 7.01 | 43.3  | 0.82 | 43.77 |
| 2.996 | 13.55 | 50.62 | 0.53 | 6.98 | 44.62 | 0.79 | 43.76 |
| 3.006 | 13.55 | 50.65 | 0.46 | 6.94 | 48.41 | 0.73 | 43.79 |
| 3.008 | 13.54 | 50.63 | 0.38 | 6.84 | 38.44 | 0.79 | 43.77 |
| 3.015 | 13.55 | 50.66 | 0.69 | 6.78 | 39.48 | 0.79 | 43.8  |
| 3.049 | 13.55 | 50.68 | 0.53 | 6.73 | 45.17 | 0.78 | 43.82 |
| 3.108 | 13.56 | 50.64 | 0.5  | 6.68 | 50.63 | 0.8  | 43.77 |
| 3.129 | 13.54 | 50.65 | 0.42 | 6.52 | 38.92 | 0.78 | 43.8  |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.143 | 13.55 | 50.67 | 0.53 | 6.51 | 40.68 | 0.74 | 43.8  |
| 3.192 | 13.56 | 50.69 | 0.38 | 6.54 | 44.2  | 0.79 | 43.81 |
| 3.236 | 13.57 | 50.63 | 0.42 | 6.58 | 45.95 | 0.76 | 43.75 |
| 3.241 | 13.55 | 50.68 | 0.5  | 6.87 | 41.82 | 0.74 | 43.82 |
| 3.254 | 13.55 | 50.71 | 0.5  | 6.95 | 41.37 | 0.79 | 43.84 |
| 3.308 | 13.57 | 50.66 | 0.84 | 7.02 | 42.3  | 0.82 | 43.78 |
| 3.372 | 13.58 | 50.66 | 0.69 | 7.08 | 43.18 | 0.79 | 43.76 |
| 3.435 | 13.57 | 50.72 | 0.8  | 7.11 | 43.91 | 0.76 | 43.83 |
| 3.476 | 13.57 | 50.68 | 0.57 | 7.13 | 41.18 | 0.76 | 43.79 |
| 3.49  | 13.58 | 50.69 | 0.38 | 7.13 | 39.54 | 0.76 | 43.79 |
| 3.494 | 13.58 | 50.73 | 0.46 | 7.11 | 39.88 | 0.74 | 43.83 |
| 3.509 | 13.59 | 50.74 | 0.5  | 7.08 | 39.33 | 0.79 | 43.83 |
| 3.549 | 13.59 | 50.74 | 0.57 | 7.03 | 38.94 | 0.85 | 43.83 |
| 3.604 | 13.6  | 50.73 | 0.53 | 7.0  | 39.9  | 0.79 | 43.81 |
| 3.659 | 13.61 | 50.74 | 0.65 | 6.97 | 41.46 | 0.81 | 43.8  |
| 3.702 | 13.62 | 50.76 | 0.53 | 6.96 | 42.35 | 0.78 | 43.82 |
| 3.737 | 13.62 | 50.77 | 0.65 | 6.95 | 45.83 | 0.82 | 43.82 |
| 3.762 | 13.63 | 50.78 | 0.72 | 6.94 | 43.72 | 0.83 | 43.83 |
| 3.78  | 13.63 | 50.8  | 0.72 | 6.94 | 43.13 | 0.81 | 43.84 |
| 3.797 | 13.64 | 50.81 | 0.5  | 6.93 | 40.49 | 0.79 | 43.85 |
| 3.833 | 13.64 | 50.84 | 0.65 | 6.91 | 38.46 | 0.8  | 43.87 |
| 3.9   | 13.64 | 50.85 | 0.76 | 6.89 | 37.5  | 0.79 | 43.87 |
| 3.965 | 13.65 | 50.84 | 1.11 | 6.87 | 39.67 | 0.82 | 43.86 |
| 3.993 | 13.65 | 50.84 | 0.76 | 6.84 | 38.57 | 0.74 | 43.86 |
| 3.996 | 13.65 | 50.86 | 0.46 | 6.81 | 39.17 | 0.76 | 43.87 |
| 4.002 | 13.65 | 50.86 | 0.5  | 6.78 | 38.34 | 0.79 | 43.88 |
| 4.023 | 13.65 | 50.86 | 0.57 | 6.77 | 37.59 | 0.79 | 43.87 |
| 4.059 | 13.65 | 50.87 | 0.53 | 6.77 | 36.96 | 0.79 | 43.88 |
| 4.098 | 13.65 | 50.87 | 0.65 | 6.8  | 37.0  | 0.8  | 43.88 |
| 4.129 | 13.66 | 50.87 | 0.5  | 6.84 | 36.97 | 0.79 | 43.88 |
| 4.146 | 13.66 | 50.87 | 0.38 | 6.89 | 39.14 | 0.77 | 43.88 |
| 4.154 | 13.66 | 50.88 | 0.5  | 6.96 | 40.31 | 0.75 | 43.88 |
| 4.156 | 13.66 | 50.88 | 0.5  | 7.12 | 36.84 | 0.79 | 43.89 |
| 4.169 | 13.66 | 50.88 | 0.46 | 7.21 | 36.98 | 0.78 | 43.89 |
| 4.223 | 13.66 | 50.89 | 0.69 | 7.31 | 37.09 | 0.81 | 43.89 |
| 4.288 | 13.66 | 50.89 | 0.72 | 7.39 | 36.35 | 0.83 | 43.89 |
| 4.322 | 13.66 | 50.89 | 0.3  | 7.69 | 39.89 | 0.76 | 43.89 |
| 4.339 | 13.66 | 50.89 | 0.65 | 7.77 | 38.54 | 0.83 | 43.89 |
| 4.375 | 13.66 | 50.89 | 1.56 | 7.84 | 37.03 | 0.81 | 43.89 |
| 4.42  | 13.66 | 50.89 | 1.83 | 7.88 | 36.71 | 0.81 | 43.89 |
| 4.469 | 13.66 | 50.89 | 2.1  | 7.92 | 35.8  | 0.82 | 43.89 |
| 4.505 | 13.66 | 50.89 | 1.64 | 7.96 | 35.93 | 0.79 | 43.89 |
| 4.515 | 13.66 | 50.89 | 0.46 | 7.98 | 37.47 | 0.78 | 43.89 |
| 4.533 | 13.66 | 50.9  | 0.84 | 7.98 | 37.15 | 0.82 | 43.89 |
| 4.598 | 13.66 | 50.9  | 0.99 | 7.96 | 36.54 | 0.84 | 43.89 |
| 4.686 | 13.66 | 50.9  | 0.5  | 7.93 | 35.6  | 0.83 | 43.89 |
| 4.75  | 13.66 | 50.9  | 0.57 | 7.9  | 34.41 | 0.8  | 43.89 |
| 4.763 | 13.67 | 50.9  | 0.5  | 7.84 | 35.55 | 0.79 | 43.9  |
| 4.772 | 13.67 | 50.9  | 0.5  | 7.84 | 35.25 | 0.8  | 43.9  |
| 4.82  | 13.66 | 50.9  | 0.46 | 7.85 | 34.14 | 0.84 | 43.9  |
| 4.89  | 13.66 | 50.9  | 0.53 | 7.87 | 33.55 | 0.83 | 43.9  |
| 4.906 | 13.67 | 50.9  | 0.57 | 7.96 | 33.85 | 0.8  | 43.9  |
| 4.916 | 13.66 | 50.9  | 0.69 | 7.99 | 33.82 | 0.81 | 43.9  |
| 4.967 | 13.66 | 50.9  | 0.53 | 8.02 | 33.69 | 0.88 | 43.9  |
| 5.039 | 13.66 | 50.9  | 0.61 | 8.04 | 33.1  | 0.79 | 43.9  |
| 5.098 | 13.66 | 50.9  | 0.72 | 8.05 | 32.26 | 0.84 | 43.9  |
| 5.132 | 13.66 | 50.9  | 0.57 | 8.04 | 32.35 | 0.85 | 43.9  |
| 5.148 | 13.66 | 50.9  | 0.53 | 8.03 | 32.5  | 0.79 | 43.9  |

|       |       |       |      |      |       |      |      |
|-------|-------|-------|------|------|-------|------|------|
| 5.149 | 13.66 | 50.9  | 0.38 | 8.01 | 34.76 | 0.79 | 43.9 |
| 5.156 | 13.66 | 50.9  | 1.18 | 8.0  | 34.72 | 0.85 | 43.9 |
| 5.184 | 13.66 | 50.9  | 1.3  | 8.0  | 33.32 | 0.82 | 43.9 |
| 5.228 | 13.66 | 50.9  | 0.95 | 8.0  | 32.15 | 0.79 | 43.9 |
| 5.294 | 13.66 | 50.9  | 0.92 | 8.01 | 31.49 | 0.84 | 43.9 |
| 5.365 | 13.66 | 50.9  | 0.88 | 8.03 | 31.52 | 0.79 | 43.9 |
| 5.409 | 13.67 | 50.9  | 0.72 | 8.04 | 31.57 | 0.82 | 43.9 |
| 5.421 | 13.67 | 50.9  | 0.5  | 8.04 | 32.6  | 0.83 | 43.9 |
| 5.424 | 13.67 | 50.9  | 0.42 | 8.05 | 32.92 | 0.82 | 43.9 |
| 5.434 | 13.66 | 50.9  | 0.46 | 8.06 | 32.52 | 0.8  | 43.9 |
| 5.464 | 13.66 | 50.9  | 0.65 | 8.07 | 31.18 | 0.78 | 43.9 |
| 5.518 | 13.66 | 50.9  | 0.57 | 8.08 | 30.13 | 0.81 | 43.9 |
| 5.57  | 13.66 | 50.9  | 0.69 | 8.1  | 30.12 | 0.95 | 43.9 |
| 5.602 | 13.67 | 50.9  | 0.5  | 8.12 | 30.26 | 0.79 | 43.9 |
| 5.617 | 13.67 | 50.9  | 0.42 | 8.14 | 30.75 | 0.82 | 43.9 |
| 5.618 | 13.67 | 50.9  | 0.69 | 8.16 | 31.15 | 0.81 | 43.9 |
| 5.625 | 13.67 | 50.9  | 0.72 | 8.18 | 31.99 | 0.82 | 43.9 |
| 5.66  | 13.67 | 50.9  | 0.46 | 8.17 | 31.24 | 0.81 | 43.9 |
| 5.734 | 13.67 | 50.9  | 0.46 | 8.16 | 29.82 | 0.79 | 43.9 |
| 5.806 | 13.67 | 50.91 | 0.57 | 8.14 | 28.84 | 0.79 | 43.9 |
| 5.858 | 13.67 | 50.91 | 0.5  | 8.12 | 28.46 | 0.79 | 43.9 |
| 5.872 | 13.67 | 50.9  | 0.46 | 8.1  | 28.26 | 0.79 | 43.9 |



| 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                                                                       | 13.25      | 49.76               | 0.19           | 6.19           | 45.83                       | 0.61              | 43.2            |
| PROF (metros)                                                                | 0.796      | 0.728               | 3.762          | 1.912          | 5.332                       | 0.728             | 0.728           |
| MÁXIMO                                                                       | 13.67      | 13.67               | 1.22           | 8.3            | 256.52                      | 0.83              | 43.71           |
| PROF (metros)                                                                | 2.978      | 5.051               | 0.703          | 4.529          | 1.211                       | 4.909             | 3.876           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E02 - Punto 002                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.29      | 49.92               | 0.72           | 6.67           | 94.22                       | 0.66              | 43.37           |
| 1 - 2m                                                     | 13.37      | 50.1                | 0.5            | 6.71           | 93.94                       | 0.7               | 43.46           |
| 2 - 3m                                                     | 13.56      | 50.46               | 0.56           | 6.98           | 70.92                       | 0.71              | 43.59           |
| 3 - 4m                                                     | 13.66      | 50.7                | 0.46           | 8.08           | 59.24                       | 0.7               | 43.7            |
| 4 - 5m                                                     | 13.66      | 50.7                | 0.43           | 8.25           | 52.09                       | 0.71              | 43.71           |
| 5 - 6m                                                     | 13.67      | 50.71               | 0.43           | 8.25           | 47.68                       | 0.72              | 43.71           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.703                                                          | 13.27      | 49.92               | 1.22           | 6.47           | 105.97                      | 0.66              | 43.39           |
| 0.715                                                          | 13.28      | 49.83               | 1.07           | 6.47           | 57.34                       | 0.66              | 43.29           |
| 0.728                                                          | 13.31      | 49.76               | 0.72           | 6.45           | 84.34                       | 0.61              | 43.2            |
| 0.745                                                          | 13.3       | 49.96               | 0.95           | 6.43           | 116.84                      | 0.64              | 43.4            |
| 0.776                                                          | 13.29      | 49.93               | 0.61           | 6.41           | 83.24                       | 0.66              | 43.39           |
| 0.796                                                          | 13.25      | 50.0                | 0.84           | 6.38           | 53.56                       | 0.66              | 43.5            |
| 0.802                                                          | 13.26      | 49.86               | 0.46           | 6.4            | 70.66                       | 0.65              | 43.34           |
| 0.825                                                          | 13.31      | 49.83               | 0.61           | 6.45           | 115.22                      | 0.66              | 43.26           |
| 0.853                                                          | 13.3       | 49.96               | 0.76           | 6.52           | 178.73                      | 0.66              | 43.4            |
| 0.875                                                          | 13.32      | 49.84               | 0.69           | 6.75           | 47.32                       | 0.68              | 43.27           |
| 0.877                                                          | 13.31      | 50.04               | 0.61           | 6.86           | 97.26                       | 0.64              | 43.48           |
| 0.9                                                            | 13.29      | 49.94               | 0.57           | 6.96           | 111.13                      | 0.65              | 43.39           |
| 0.928                                                          | 13.31      | 49.86               | 0.5            | 7.04           | 137.45                      | 0.66              | 43.28           |
| 0.952                                                          | 13.31      | 50.01               | 0.72           | 7.07           | 72.63                       | 0.68              | 43.44           |
| 0.982                                                          | 13.29      | 50.03               | 0.53           | 7.08           | 66.05                       | 0.71              | 43.48           |
| 0.998                                                          | 13.32      | 49.99               | 0.57           | 7.03           | 109.77                      | 0.66              | 43.41           |
| 1.007                                                          | 13.28      | 50.07               | 0.46           | 7.0            | 149.37                      | 0.64              | 43.54           |
| 1.034                                                          | 13.28      | 49.94               | 0.5            | 6.98           | 126.04                      | 0.67              | 43.4            |
| 1.062                                                          | 13.31      | 49.91               | 0.42           | 6.97           | 69.66                       | 0.69              | 43.34           |
| 1.082                                                          | 13.29      | 50.03               | 0.57           | 6.96           | 55.57                       | 0.73              | 43.47           |
| 1.1                                                            | 13.25      | 50.01               | 0.5            | 6.98           | 105.88                      | 0.66              | 43.5            |
| 1.12                                                           | 13.26      | 49.93               | 0.46           | 7.0            | 113.13                      | 0.67              | 43.42           |
| 1.133                                                          | 13.28      | 49.99               | 0.61           | 7.01           | 117.6                       | 0.69              | 43.46           |
| 1.15                                                           | 13.28      | 50.12               | 0.53           | 7.02           | 61.28                       | 0.68              | 43.58           |
| 1.176                                                          | 13.3       | 50.0                | 0.46           | 7.02           | 50.75                       | 0.72              | 43.44           |
| 1.196                                                          | 13.35      | 49.95               | 0.5            | 7.01           | 75.53                       | 0.74              | 43.33           |
| 1.203                                                          | 13.33      | 50.06               | 0.57           | 6.99           | 190.8                       | 0.71              | 43.46           |
| 1.211                                                          | 13.29      | 50.11               | 0.53           | 6.99           | 256.52                      | 0.68              | 43.56           |
| 1.228                                                          | 13.3       | 49.98               | 0.72           | 6.98           | 88.32                       | 0.67              | 43.42           |
| 1.245                                                          | 13.33      | 49.99               | 0.38           | 6.96           | 92.52                       | 0.71              | 43.39           |
| 1.259                                                          | 13.33      | 50.09               | 0.57           | 6.94           | 98.88                       | 0.68              | 43.5            |
| 1.271                                                          | 13.32      | 50.06               | 0.57           | 6.93           | 76.36                       | 0.69              | 43.47           |
| 1.279                                                          | 13.33      | 49.99               | 0.57           | 6.91           | 92.49                       | 0.72              | 43.39           |
| 1.287                                                          | 13.33      | 50.07               | 0.53           | 6.89           | 62.06                       | 0.68              | 43.47           |
| 1.3                                                            | 13.31      | 50.1                | 0.5            | 6.85           | 130.74                      | 0.7               | 43.53           |
| 1.315                                                          | 13.31      | 49.99               | 0.46           | 6.81           | 86.8                        | 0.68              | 43.41           |

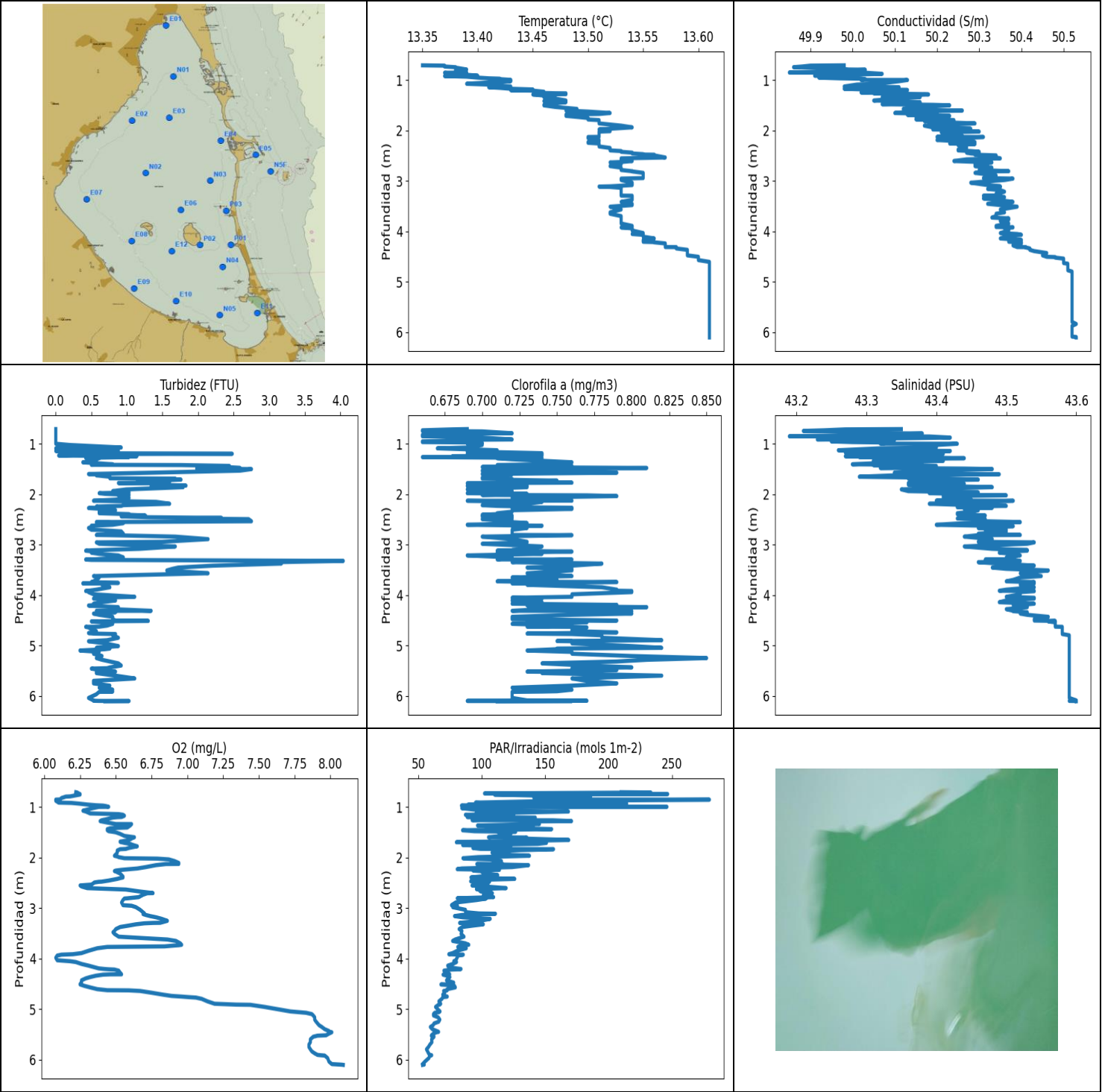


|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.325 | 13.32 | 50.05 | 0.5  | 6.76 | 95.24  | 0.65 | 43.47 |
| 1.341 | 13.3  | 50.12 | 0.57 | 6.71 | 94.55  | 0.67 | 43.56 |
| 1.354 | 13.3  | 50.02 | 0.5  | 6.68 | 126.36 | 0.69 | 43.46 |
| 1.358 | 13.32 | 50.02 | 0.88 | 6.65 | 109.95 | 0.69 | 43.44 |
| 1.36  | 13.31 | 50.12 | 0.8  | 6.65 | 77.32  | 0.72 | 43.55 |
| 1.371 | 13.3  | 50.11 | 0.53 | 6.67 | 102.97 | 0.66 | 43.54 |
| 1.403 | 13.32 | 50.03 | 0.46 | 6.71 | 111.96 | 0.71 | 43.45 |
| 1.437 | 13.34 | 50.02 | 0.42 | 6.76 | 124.87 | 0.76 | 43.41 |
| 1.452 | 13.34 | 50.06 | 0.5  | 6.89 | 63.45  | 0.69 | 43.45 |
| 1.456 | 13.35 | 50.16 | 0.5  | 6.89 | 81.8   | 0.67 | 43.54 |
| 1.486 | 13.38 | 50.1  | 0.65 | 6.87 | 94.84  | 0.68 | 43.45 |
| 1.515 | 13.41 | 50.0  | 0.5  | 6.84 | 141.62 | 0.68 | 43.31 |
| 1.527 | 13.36 | 50.16 | 0.53 | 6.77 | 51.12  | 0.68 | 43.53 |
| 1.528 | 13.35 | 50.12 | 0.57 | 6.75 | 66.96  | 0.68 | 43.49 |
| 1.536 | 13.36 | 50.06 | 0.57 | 6.76 | 135.42 | 0.69 | 43.43 |
| 1.552 | 13.37 | 50.13 | 0.57 | 6.79 | 119.08 | 0.71 | 43.49 |
| 1.579 | 13.37 | 50.15 | 0.53 | 6.82 | 119.85 | 0.69 | 43.51 |
| 1.585 | 13.37 | 50.17 | 0.46 | 6.89 | 115.22 | 0.68 | 43.52 |
| 1.59  | 13.37 | 50.15 | 0.46 | 6.88 | 95.46  | 0.68 | 43.5  |
| 1.604 | 13.39 | 50.05 | 0.5  | 6.86 | 88.67  | 0.69 | 43.38 |
| 1.624 | 13.4  | 50.14 | 0.57 | 6.82 | 55.05  | 0.66 | 43.46 |
| 1.63  | 13.37 | 50.1  | 0.53 | 6.75 | 78.81  | 0.66 | 43.46 |
| 1.639 | 13.38 | 50.18 | 0.5  | 6.73 | 57.89  | 0.67 | 43.52 |
| 1.668 | 13.39 | 50.14 | 0.38 | 6.71 | 60.16  | 0.76 | 43.48 |
| 1.705 | 13.39 | 50.09 | 0.5  | 6.68 | 99.41  | 0.72 | 43.42 |
| 1.733 | 13.41 | 50.12 | 0.3  | 6.66 | 68.72  | 0.79 | 43.44 |
| 1.744 | 13.41 | 50.14 | 0.5  | 6.64 | 56.56  | 0.77 | 43.45 |
| 1.749 | 13.42 | 50.17 | 0.46 | 6.61 | 70.31  | 0.77 | 43.47 |
| 1.766 | 13.42 | 50.22 | 0.46 | 6.57 | 103.43 | 0.71 | 43.52 |
| 1.799 | 13.44 | 50.13 | 0.65 | 6.53 | 122.18 | 0.72 | 43.41 |
| 1.836 | 13.46 | 50.11 | 0.5  | 6.48 | 64.48  | 0.72 | 43.36 |
| 1.859 | 13.47 | 50.14 | 0.46 | 6.42 | 60.38  | 0.7  | 43.38 |
| 1.866 | 13.45 | 50.16 | 0.42 | 6.37 | 73.29  | 0.71 | 43.42 |
| 1.871 | 13.44 | 50.25 | 0.57 | 6.32 | 115.65 | 0.71 | 43.52 |
| 1.883 | 13.45 | 50.16 | 0.38 | 6.27 | 115.81 | 0.69 | 43.42 |
| 1.893 | 13.47 | 50.08 | 0.27 | 6.24 | 65.96  | 0.68 | 43.32 |
| 1.901 | 13.47 | 50.21 | 0.42 | 6.21 | 55.94  | 0.69 | 43.45 |
| 1.912 | 13.45 | 50.22 | 0.42 | 6.19 | 73.87  | 0.68 | 43.49 |
| 1.918 | 13.46 | 50.16 | 0.5  | 6.19 | 88.63  | 0.69 | 43.42 |
| 1.92  | 13.46 | 50.23 | 0.42 | 6.2  | 48.53  | 0.69 | 43.48 |
| 1.942 | 13.46 | 50.23 | 0.38 | 6.22 | 59.07  | 0.68 | 43.48 |
| 1.966 | 13.46 | 50.1  | 0.38 | 6.24 | 75.87  | 0.71 | 43.36 |
| 1.977 | 13.46 | 50.19 | 0.57 | 6.26 | 137.93 | 0.66 | 43.45 |
| 1.988 | 13.43 | 50.29 | 0.3  | 6.27 | 87.27  | 0.69 | 43.57 |
| 2.008 | 13.44 | 50.17 | 0.53 | 6.28 | 60.72  | 0.67 | 43.45 |
| 2.027 | 13.46 | 50.17 | 0.46 | 6.29 | 69.18  | 0.7  | 43.42 |
| 2.046 | 13.44 | 50.27 | 0.76 | 6.31 | 113.63 | 0.68 | 43.55 |
| 2.068 | 13.43 | 50.25 | 0.61 | 6.34 | 89.96  | 0.7  | 43.54 |
| 2.085 | 13.44 | 50.16 | 0.46 | 6.4  | 64.3   | 0.69 | 43.43 |
| 2.089 | 13.43 | 50.29 | 0.57 | 6.55 | 99.38  | 0.69 | 43.58 |
| 2.098 | 13.42 | 50.22 | 0.46 | 6.64 | 74.18  | 0.68 | 43.51 |
| 2.11  | 13.43 | 50.18 | 0.57 | 6.72 | 70.79  | 0.72 | 43.46 |
| 2.134 | 13.43 | 50.29 | 0.42 | 6.78 | 56.76  | 0.68 | 43.57 |
| 2.158 | 13.43 | 50.22 | 0.46 | 6.81 | 70.64  | 0.67 | 43.5  |
| 2.174 | 13.44 | 50.23 | 0.5  | 6.82 | 79.63  | 0.67 | 43.5  |
| 2.19  | 13.44 | 50.28 | 0.5  | 6.81 | 81.4   | 0.72 | 43.56 |
| 2.203 | 13.44 | 50.23 | 0.5  | 6.79 | 53.79  | 0.69 | 43.5  |
| 2.213 | 13.45 | 50.25 | 0.57 | 6.76 | 55.37  | 0.69 | 43.52 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 2.217 | 13.46 | 50.26 | 0.69 | 6.75 | 98.42 | 0.69 | 43.51 |
| 2.226 | 13.46 | 50.3  | 0.76 | 6.77 | 73.48 | 0.71 | 43.55 |
| 2.239 | 13.46 | 50.22 | 0.69 | 6.78 | 56.67 | 0.73 | 43.47 |
| 2.254 | 13.45 | 50.3  | 0.92 | 6.85 | 57.71 | 0.69 | 43.56 |
| 2.265 | 13.46 | 50.27 | 0.53 | 6.85 | 57.73 | 0.72 | 43.52 |
| 2.283 | 13.47 | 50.23 | 0.46 | 6.84 | 79.78 | 0.66 | 43.47 |
| 2.311 | 13.48 | 50.26 | 0.46 | 6.82 | 80.58 | 0.8  | 43.48 |
| 2.328 | 13.49 | 50.31 | 0.76 | 6.7  | 74.66 | 0.76 | 43.52 |
| 2.342 | 13.48 | 50.34 | 0.72 | 6.64 | 80.19 | 0.72 | 43.56 |
| 2.369 | 13.5  | 50.24 | 0.69 | 6.58 | 80.95 | 0.72 | 43.44 |
| 2.389 | 13.51 | 50.38 | 0.72 | 6.47 | 97.76 | 0.72 | 43.57 |
| 2.414 | 13.53 | 50.4  | 0.65 | 6.49 | 73.05 | 0.7  | 43.57 |
| 2.458 | 13.55 | 50.32 | 0.72 | 6.52 | 60.7  | 0.72 | 43.46 |
| 2.472 | 13.56 | 50.47 | 0.57 | 6.66 | 91.85 | 0.72 | 43.6  |
| 2.483 | 13.57 | 50.43 | 0.53 | 6.69 | 67.53 | 0.72 | 43.54 |
| 2.5   | 13.58 | 50.48 | 0.46 | 6.7  | 52.41 | 0.66 | 43.58 |
| 2.515 | 13.6  | 50.49 | 0.65 | 6.67 | 65.58 | 0.64 | 43.58 |
| 2.527 | 13.61 | 50.49 | 0.57 | 6.66 | 73.72 | 0.69 | 43.57 |
| 2.536 | 13.61 | 50.48 | 0.38 | 6.64 | 79.58 | 0.67 | 43.55 |
| 2.544 | 13.62 | 50.53 | 0.69 | 6.61 | 66.49 | 0.69 | 43.6  |
| 2.556 | 13.63 | 50.59 | 0.72 | 6.6  | 79.82 | 0.67 | 43.64 |
| 2.558 | 13.63 | 50.6  | 0.69 | 6.61 | 63.1  | 0.72 | 43.64 |
| 2.573 | 13.63 | 50.6  | 0.57 | 6.64 | 68.86 | 0.71 | 43.65 |
| 2.589 | 13.64 | 50.63 | 0.69 | 6.69 | 61.33 | 0.72 | 43.67 |
| 2.6   | 13.64 | 50.63 | 0.42 | 6.71 | 60.4  | 0.72 | 43.66 |
| 2.608 | 13.65 | 50.64 | 0.46 | 6.88 | 75.88 | 0.7  | 43.67 |
| 2.625 | 13.65 | 50.65 | 0.61 | 6.92 | 88.47 | 0.72 | 43.68 |
| 2.654 | 13.65 | 50.65 | 0.53 | 6.98 | 63.86 | 0.75 | 43.67 |
| 2.679 | 13.65 | 50.66 | 0.61 | 7.03 | 57.93 | 0.76 | 43.68 |
| 2.69  | 13.65 | 50.66 | 0.53 | 7.13 | 63.0  | 0.7  | 43.68 |
| 2.692 | 13.65 | 50.67 | 0.5  | 7.21 | 67.86 | 0.69 | 43.68 |
| 2.708 | 13.65 | 50.67 | 0.38 | 7.28 | 65.09 | 0.72 | 43.68 |
| 2.721 | 13.65 | 50.66 | 0.38 | 7.35 | 67.28 | 0.74 | 43.68 |
| 2.722 | 13.65 | 50.67 | 0.42 | 7.42 | 56.96 | 0.75 | 43.68 |
| 2.723 | 13.65 | 50.67 | 0.69 | 7.5  | 69.58 | 0.71 | 43.69 |
| 2.742 | 13.66 | 50.68 | 0.65 | 7.58 | 70.69 | 0.74 | 43.69 |
| 2.746 | 13.66 | 50.68 | 0.5  | 7.83 | 57.51 | 0.76 | 43.69 |
| 2.763 | 13.66 | 50.68 | 0.65 | 7.87 | 68.53 | 0.72 | 43.69 |
| 2.802 | 13.66 | 50.68 | 0.61 | 7.91 | 78.3  | 0.71 | 43.69 |
| 2.855 | 13.66 | 50.68 | 0.57 | 7.92 | 64.25 | 0.75 | 43.69 |
| 2.886 | 13.66 | 50.68 | 0.53 | 7.93 | 62.03 | 0.75 | 43.69 |
| 2.889 | 13.66 | 50.69 | 0.42 | 7.93 | 62.14 | 0.71 | 43.7  |
| 2.902 | 13.66 | 50.69 | 0.42 | 7.93 | 74.42 | 0.69 | 43.7  |
| 2.934 | 13.66 | 50.69 | 0.3  | 7.92 | 69.74 | 0.69 | 43.69 |
| 2.969 | 13.66 | 50.69 | 0.5  | 7.91 | 67.38 | 0.69 | 43.69 |
| 2.978 | 13.67 | 50.69 | 0.57 | 7.92 | 65.2  | 0.71 | 43.7  |
| 2.991 | 13.67 | 50.69 | 0.46 | 7.9  | 67.88 | 0.76 | 43.7  |
| 3.018 | 13.67 | 50.69 | 0.42 | 7.87 | 64.98 | 0.69 | 43.7  |
| 3.04  | 13.67 | 50.69 | 0.38 | 7.84 | 67.75 | 0.72 | 43.7  |
| 3.047 | 13.67 | 50.7  | 0.53 | 7.83 | 58.82 | 0.69 | 43.7  |
| 3.049 | 13.67 | 50.69 | 0.42 | 7.83 | 58.97 | 0.66 | 43.7  |
| 3.051 | 13.67 | 50.7  | 0.5  | 7.84 | 68.18 | 0.69 | 43.7  |
| 3.059 | 13.67 | 50.7  | 0.57 | 7.85 | 68.56 | 0.69 | 43.7  |
| 3.07  | 13.67 | 50.69 | 0.5  | 7.88 | 56.98 | 0.69 | 43.7  |
| 3.073 | 13.67 | 50.7  | 0.53 | 7.89 | 59.92 | 0.67 | 43.7  |
| 3.078 | 13.66 | 50.7  | 0.42 | 7.9  | 68.78 | 0.72 | 43.7  |
| 3.097 | 13.66 | 50.7  | 0.5  | 7.9  | 71.61 | 0.7  | 43.7  |
| 3.116 | 13.66 | 50.7  | 0.57 | 7.89 | 65.24 | 0.71 | 43.7  |

|       |       |      |      |      |       |      |       |
|-------|-------|------|------|------|-------|------|-------|
| 3.127 | 13.66 | 50.7 | 0.5  | 7.89 | 58.98 | 0.69 | 43.7  |
| 3.13  | 13.67 | 50.7 | 0.42 | 7.91 | 72.25 | 0.69 | 43.7  |
| 3.138 | 13.67 | 50.7 | 0.69 | 7.93 | 64.89 | 0.74 | 43.7  |
| 3.153 | 13.67 | 50.7 | 0.53 | 7.95 | 60.62 | 0.71 | 43.7  |
| 3.172 | 13.66 | 50.7 | 0.57 | 7.98 | 58.24 | 0.7  | 43.7  |
| 3.19  | 13.66 | 50.7 | 0.65 | 8.0  | 66.69 | 0.7  | 43.7  |
| 3.206 | 13.66 | 50.7 | 0.57 | 8.02 | 72.62 | 0.68 | 43.7  |
| 3.211 | 13.66 | 50.7 | 0.38 | 8.05 | 64.88 | 0.66 | 43.7  |
| 3.216 | 13.66 | 50.7 | 0.46 | 8.07 | 60.66 | 0.67 | 43.7  |
| 3.243 | 13.66 | 50.7 | 0.5  | 8.09 | 60.51 | 0.71 | 43.7  |
| 3.291 | 13.66 | 50.7 | 0.53 | 8.11 | 56.64 | 0.69 | 43.7  |
| 3.331 | 13.66 | 50.7 | 0.61 | 8.13 | 60.66 | 0.76 | 43.7  |
| 3.34  | 13.66 | 50.7 | 0.46 | 8.15 | 65.48 | 0.67 | 43.7  |
| 3.342 | 13.66 | 50.7 | 0.5  | 8.17 | 67.91 | 0.64 | 43.7  |
| 3.354 | 13.66 | 50.7 | 0.46 | 8.19 | 54.24 | 0.67 | 43.7  |
| 3.362 | 13.66 | 50.7 | 0.3  | 8.2  | 61.48 | 0.74 | 43.7  |
| 3.363 | 13.66 | 50.7 | 0.61 | 8.21 | 61.14 | 0.66 | 43.7  |
| 3.375 | 13.66 | 50.7 | 0.46 | 8.21 | 59.81 | 0.77 | 43.7  |
| 3.406 | 13.66 | 50.7 | 0.61 | 8.21 | 57.69 | 0.72 | 43.7  |
| 3.455 | 13.66 | 50.7 | 0.42 | 8.2  | 56.34 | 0.72 | 43.7  |
| 3.511 | 13.66 | 50.7 | 0.3  | 8.18 | 57.63 | 0.7  | 43.7  |
| 3.55  | 13.66 | 50.7 | 0.46 | 8.16 | 58.0  | 0.78 | 43.7  |
| 3.563 | 13.66 | 50.7 | 0.5  | 8.15 | 55.47 | 0.72 | 43.7  |
| 3.564 | 13.66 | 50.7 | 0.38 | 8.13 | 52.75 | 0.71 | 43.7  |
| 3.57  | 13.66 | 50.7 | 0.57 | 8.13 | 56.14 | 0.68 | 43.7  |
| 3.592 | 13.66 | 50.7 | 0.27 | 8.12 | 56.85 | 0.7  | 43.7  |
| 3.627 | 13.66 | 50.7 | 0.38 | 8.12 | 54.92 | 0.69 | 43.7  |
| 3.65  | 13.66 | 50.7 | 0.27 | 8.12 | 57.78 | 0.68 | 43.7  |
| 3.658 | 13.66 | 50.7 | 0.42 | 8.13 | 53.55 | 0.68 | 43.7  |
| 3.672 | 13.66 | 50.7 | 0.53 | 8.14 | 52.08 | 0.7  | 43.7  |
| 3.697 | 13.66 | 50.7 | 0.42 | 8.15 | 50.68 | 0.68 | 43.7  |
| 3.732 | 13.66 | 50.7 | 0.42 | 8.16 | 52.26 | 0.7  | 43.7  |
| 3.762 | 13.66 | 50.7 | 0.19 | 8.18 | 53.04 | 0.68 | 43.7  |
| 3.774 | 13.66 | 50.7 | 0.53 | 8.18 | 51.88 | 0.69 | 43.7  |
| 3.782 | 13.66 | 50.7 | 0.38 | 8.17 | 57.63 | 0.72 | 43.7  |
| 3.797 | 13.66 | 50.7 | 0.42 | 8.17 | 58.79 | 0.71 | 43.7  |
| 3.817 | 13.66 | 50.7 | 0.42 | 8.18 | 55.96 | 0.72 | 43.7  |
| 3.846 | 13.66 | 50.7 | 0.5  | 8.18 | 55.59 | 0.69 | 43.7  |
| 3.876 | 13.66 | 50.7 | 0.57 | 8.2  | 55.1  | 0.7  | 43.71 |
| 3.886 | 13.66 | 50.7 | 0.42 | 8.23 | 55.0  | 0.75 | 43.71 |
| 3.897 | 13.66 | 50.7 | 0.27 | 8.25 | 52.31 | 0.7  | 43.71 |
| 3.934 | 13.66 | 50.7 | 0.5  | 8.26 | 52.7  | 0.69 | 43.71 |
| 3.96  | 13.66 | 50.7 | 0.5  | 8.23 | 52.68 | 0.69 | 43.7  |
| 3.969 | 13.66 | 50.7 | 0.38 | 8.21 | 53.4  | 0.67 | 43.7  |
| 3.996 | 13.66 | 50.7 | 0.42 | 8.19 | 53.69 | 0.81 | 43.7  |
| 4.022 | 13.66 | 50.7 | 0.53 | 8.19 | 55.33 | 0.72 | 43.71 |
| 4.027 | 13.66 | 50.7 | 0.46 | 8.21 | 55.7  | 0.68 | 43.7  |
| 4.037 | 13.66 | 50.7 | 0.34 | 8.22 | 52.85 | 0.69 | 43.7  |
| 4.056 | 13.66 | 50.7 | 0.46 | 8.23 | 52.0  | 0.71 | 43.7  |
| 4.078 | 13.66 | 50.7 | 0.5  | 8.23 | 57.47 | 0.71 | 43.7  |
| 4.091 | 13.66 | 50.7 | 0.42 | 8.24 | 55.81 | 0.69 | 43.71 |
| 4.096 | 13.66 | 50.7 | 0.42 | 8.23 | 53.6  | 0.7  | 43.71 |
| 4.105 | 13.66 | 50.7 | 0.53 | 8.22 | 51.2  | 0.69 | 43.71 |
| 4.125 | 13.66 | 50.7 | 0.42 | 8.22 | 53.75 | 0.71 | 43.71 |
| 4.144 | 13.66 | 50.7 | 0.38 | 8.22 | 56.81 | 0.7  | 43.71 |
| 4.146 | 13.66 | 50.7 | 0.46 | 8.22 | 56.21 | 0.75 | 43.71 |
| 4.148 | 13.66 | 50.7 | 0.42 | 8.23 | 52.65 | 0.73 | 43.71 |
| 4.182 | 13.66 | 50.7 | 0.42 | 8.23 | 54.06 | 0.72 | 43.7  |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 4.238 | 13.66 | 50.7  | 0.3  | 8.24 | 52.55 | 0.74 | 43.71 |
| 4.283 | 13.66 | 50.7  | 0.46 | 8.24 | 52.11 | 0.77 | 43.71 |
| 4.304 | 13.66 | 50.7  | 0.42 | 8.24 | 51.98 | 0.7  | 43.71 |
| 4.309 | 13.66 | 50.7  | 0.61 | 8.24 | 52.7  | 0.71 | 43.71 |
| 4.313 | 13.66 | 50.7  | 0.27 | 8.24 | 53.64 | 0.72 | 43.71 |
| 4.327 | 13.66 | 50.7  | 0.53 | 8.24 | 52.28 | 0.7  | 43.71 |
| 4.349 | 13.66 | 50.7  | 0.5  | 8.24 | 54.3  | 0.7  | 43.71 |
| 4.365 | 13.66 | 50.7  | 0.34 | 8.23 | 54.11 | 0.69 | 43.71 |
| 4.368 | 13.66 | 50.7  | 0.34 | 8.23 | 50.83 | 0.73 | 43.71 |
| 4.369 | 13.66 | 50.7  | 0.42 | 8.23 | 51.55 | 0.7  | 43.71 |
| 4.389 | 13.66 | 50.7  | 0.42 | 8.24 | 52.06 | 0.74 | 43.71 |
| 4.425 | 13.66 | 50.7  | 0.34 | 8.25 | 50.23 | 0.69 | 43.71 |
| 4.454 | 13.66 | 50.7  | 0.57 | 8.26 | 50.16 | 0.69 | 43.71 |
| 4.464 | 13.66 | 50.7  | 0.53 | 8.27 | 49.73 | 0.68 | 43.71 |
| 4.471 | 13.66 | 50.7  | 0.5  | 8.28 | 47.36 | 0.69 | 43.71 |
| 4.498 | 13.66 | 50.7  | 0.42 | 8.29 | 48.07 | 0.69 | 43.71 |
| 4.529 | 13.66 | 50.7  | 0.42 | 8.3  | 52.24 | 0.71 | 43.71 |
| 4.55  | 13.66 | 50.7  | 0.61 | 8.29 | 53.8  | 0.72 | 43.71 |
| 4.567 | 13.66 | 50.7  | 0.46 | 8.3  | 53.74 | 0.67 | 43.71 |
| 4.591 | 13.66 | 50.7  | 0.38 | 8.29 | 50.94 | 0.68 | 43.71 |
| 4.619 | 13.66 | 50.7  | 0.46 | 8.28 | 49.83 | 0.65 | 43.71 |
| 4.642 | 13.66 | 50.7  | 0.5  | 8.27 | 51.08 | 0.66 | 43.71 |
| 4.656 | 13.66 | 50.7  | 0.46 | 8.26 | 52.81 | 0.7  | 43.71 |
| 4.67  | 13.66 | 50.7  | 0.38 | 8.26 | 51.43 | 0.68 | 43.71 |
| 4.675 | 13.66 | 50.7  | 0.23 | 8.26 | 50.02 | 0.76 | 43.71 |
| 4.676 | 13.66 | 50.7  | 0.3  | 8.27 | 50.81 | 0.7  | 43.71 |
| 4.696 | 13.66 | 50.7  | 0.42 | 8.28 | 50.18 | 0.68 | 43.71 |
| 4.74  | 13.66 | 50.7  | 0.38 | 8.29 | 50.65 | 0.72 | 43.71 |
| 4.771 | 13.66 | 50.7  | 0.5  | 8.28 | 50.68 | 0.69 | 43.71 |
| 4.786 | 13.66 | 50.7  | 0.53 | 8.27 | 49.65 | 0.72 | 43.71 |
| 4.845 | 13.66 | 50.7  | 0.38 | 8.26 | 50.98 | 0.76 | 43.71 |
| 4.909 | 13.66 | 50.7  | 0.38 | 8.27 | 51.77 | 0.83 | 43.71 |
| 4.941 | 13.66 | 50.7  | 0.3  | 8.28 | 51.37 | 0.69 | 43.71 |
| 4.943 | 13.66 | 50.7  | 0.42 | 8.29 | 48.46 | 0.71 | 43.71 |
| 4.956 | 13.66 | 50.7  | 0.46 | 8.29 | 48.74 | 0.72 | 43.71 |
| 5.001 | 13.66 | 50.7  | 0.42 | 8.29 | 49.56 | 0.73 | 43.71 |
| 5.051 | 13.66 | 50.71 | 0.34 | 8.29 | 51.79 | 0.69 | 43.71 |
| 5.067 | 13.67 | 50.7  | 0.5  | 8.26 | 46.92 | 0.72 | 43.7  |
| 5.087 | 13.66 | 50.7  | 0.42 | 8.25 | 49.55 | 0.67 | 43.7  |
| 5.128 | 13.66 | 50.7  | 0.46 | 8.24 | 48.2  | 0.71 | 43.71 |
| 5.17  | 13.66 | 50.7  | 0.34 | 8.23 | 48.26 | 0.72 | 43.71 |
| 5.207 | 13.66 | 50.7  | 0.46 | 8.23 | 45.98 | 0.66 | 43.71 |
| 5.249 | 13.66 | 50.71 | 0.5  | 8.24 | 46.12 | 0.69 | 43.71 |
| 5.288 | 13.67 | 50.71 | 0.38 | 8.25 | 45.86 | 0.75 | 43.71 |
| 5.315 | 13.67 | 50.71 | 0.5  | 8.25 | 48.06 | 0.67 | 43.71 |
| 5.327 | 13.67 | 50.71 | 0.46 | 8.25 | 47.52 | 0.72 | 43.71 |
| 5.329 | 13.67 | 50.71 | 0.42 | 8.25 | 46.22 | 0.82 | 43.71 |
| 5.332 | 13.67 | 50.71 | 0.42 | 8.24 | 45.83 | 0.75 | 43.71 |



| 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                                                                       | 13.35      | 49.85               | 0.0            | 6.08           | 53.44                       | 0.66              | 43.19           |
| PROF (metros)                                                                | 0.705      | 0.848               | 0.705          | 0.852          | 6.105                       | 0.729             | 0.848           |
| MÁXIMO                                                                       | 13.61      | 13.61               | 4.04           | 8.09           | 279.48                      | 0.85              | 43.6            |
| PROF (metros)                                                                | 4.57       | 5.837               | 3.321          | 6.105          | 0.852                       | 5.249             | 6.089           |

| 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) |
| 1 - 2m                                                     | 13.48      | 50.14               | 1.11           | 6.51           | 118.2                       | 0.72              | 43.38           |
| 2 - 3m                                                     | 13.53      | 50.29               | 1.02           | 6.58           | 100.47                      | 0.72              | 43.46           |
| 3 - 4m                                                     | 13.53      | 50.35               | 1.01           | 6.6            | 86.62                       | 0.75              | 43.51           |
| 4 - 5m                                                     | 13.59      | 50.45               | 0.7            | 6.57           | 73.25                       | 0.76              | 43.55           |
| 5 - 6m                                                     | 13.61      | 50.52               | 0.68           | 7.89           | 61.95                       | 0.77              | 43.59           |
| 6 - 7m                                                     | 13.61      | 50.53               | 0.64           | 8.05           | 54.19                       | 0.73              | 43.6            |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.705                                                          | 13.35      | 49.98               | 0.0            | 6.22           | 209.92                      | 0.69              | 43.35           |
| 0.711                                                          | 13.37      | 49.9                | 0.0            | 6.23           | 233.37                      | 0.68              | 43.27           |
| 0.729                                                          | 13.37      | 49.88               | 0.0            | 6.24           | 102.28                      | 0.66              | 43.24           |
| 0.742                                                          | 13.38      | 49.86               | 0.0            | 6.25           | 246.61                      | 0.66              | 43.21           |
| 0.751                                                          | 13.38      | 49.95               | 0.0            | 6.25           | 110.16                      | 0.7               | 43.29           |
| 0.788                                                          | 13.39      | 49.99               | 0.0            | 6.18           | 170.08                      | 0.72              | 43.32           |
| 0.792                                                          | 13.38      | 50.03               | 0.0            | 6.15           | 185.91                      | 0.7               | 43.38           |
| 0.82                                                           | 13.38      | 49.95               | 0.0            | 6.12           | 141.23                      | 0.66              | 43.3            |
| 0.848                                                          | 13.39      | 49.85               | 0.0            | 6.11           | 164.0                       | 0.66              | 43.19           |
| 0.852                                                          | 13.37      | 50.03               | 0.0            | 6.08           | 279.48                      | 0.67              | 43.39           |
| 0.874                                                          | 13.38      | 50.07               | 0.0            | 6.08           | 162.22                      | 0.7               | 43.42           |
| 0.911                                                          | 13.4       | 49.91               | 0.0            | 6.1            | 95.19                       | 0.72              | 43.23           |
| 0.917                                                          | 13.37      | 49.97               | 0.0            | 6.19           | 98.88                       | 0.69              | 43.32           |
| 0.93                                                           | 13.39      | 50.0                | 0.0            | 6.24           | 214.29                      | 0.69              | 43.34           |
| 0.949                                                          | 13.4       | 49.92               | 0.0            | 6.3            | 89.44                       | 0.66              | 43.25           |
| 0.963                                                          | 13.41      | 49.97               | 0.0            | 6.36           | 134.89                      | 0.66              | 43.28           |
| 0.97                                                           | 13.42      | 50.02               | 0.0            | 6.41           | 84.11                       | 0.69              | 43.32           |
| 0.979                                                          | 13.42      | 50.03               | 0.0            | 6.43           | 97.06                       | 0.7               | 43.33           |
| 0.994                                                          | 13.43      | 50.02               | 0.0            | 6.45           | 246.03                      | 0.69              | 43.32           |
| 0.996                                                          | 13.42      | 50.13               | 0.0            | 6.38           | 118.09                      | 0.7               | 43.43           |
| 1.02                                                           | 13.43      | 50.11               | 0.19           | 6.34           | 84.4                        | 0.7               | 43.4            |
| 1.071                                                          | 13.39      | 50.06               | 0.92           | 6.27           | 101.55                      | 0.69              | 43.4            |
| 1.087                                                          | 13.41      | 50.01               | 0.0            | 6.29           | 168.43                      | 0.67              | 43.32           |
| 1.125                                                          | 13.43      | 49.98               | 0.88           | 6.32           | 95.59                       | 0.71              | 43.26           |
| 1.139                                                          | 13.41      | 50.11               | 0.0            | 6.52           | 125.45                      | 0.71              | 43.42           |
| 1.152                                                          | 13.42      | 50.09               | 0.46           | 6.55           | 87.23                       | 0.69              | 43.39           |
| 1.17                                                           | 13.43      | 49.98               | 0.15           | 6.56           | 108.46                      | 0.72              | 43.27           |
| 1.184                                                          | 13.45      | 50.03               | 0.46           | 6.55           | 114.05                      | 0.74              | 43.3            |
| 1.195                                                          | 13.44      | 50.13               | 2.48           | 6.54           | 88.65                       | 0.73              | 43.41           |
| 1.199                                                          | 13.43      | 50.02               | 0.92           | 6.51           | 96.66                       | 0.69              | 43.31           |
| 1.207                                                          | 13.45      | 50.08               | 0.53           | 6.48           | 142.28                      | 0.74              | 43.35           |
| 1.229                                                          | 13.46      | 50.08               | 0.04           | 6.45           | 141.29                      | 0.74              | 43.34           |
| 1.243                                                          | 13.46      | 50.02               | 1.14           | 6.43           | 106.29                      | 0.68              | 43.27           |
| 1.254                                                          | 13.46      | 50.13               | 0.42           | 6.41           | 92.99                       | 0.7               | 43.38           |
| 1.259                                                          | 13.47      | 50.06               | 1.03           | 6.41           | 92.56                       | 0.72              | 43.31           |
| 1.261                                                          | 13.48      | 50.05               | 0.99           | 6.4            | 156.21                      | 0.66              | 43.29           |

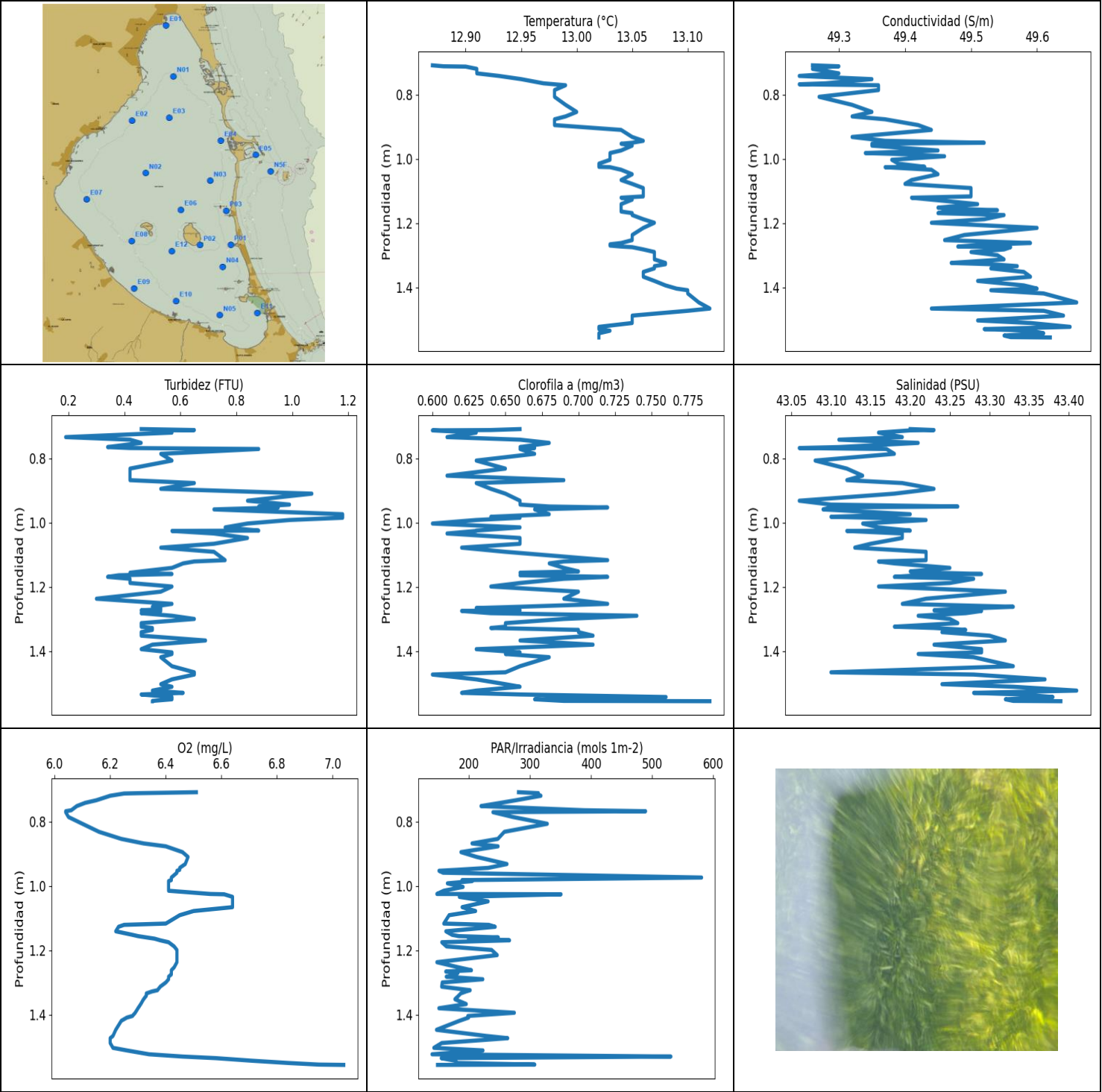
|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.277 | 13.48 | 50.17 | 0.42 | 6.39 | 170.87 | 0.74 | 43.41 |
| 1.283 | 13.45 | 50.18 | 0.61 | 6.4  | 139.89 | 0.71 | 43.44 |
| 1.305 | 13.46 | 50.11 | 0.5  | 6.44 | 143.97 | 0.72 | 43.36 |
| 1.335 | 13.47 | 50.07 | 0.53 | 6.5  | 145.55 | 0.74 | 43.31 |
| 1.336 | 13.46 | 50.16 | 0.57 | 6.61 | 140.48 | 0.74 | 43.41 |
| 1.364 | 13.47 | 50.1  | 0.38 | 6.6  | 96.75  | 0.76 | 43.34 |
| 1.404 | 13.48 | 50.05 | 0.8  | 6.58 | 140.9  | 0.74 | 43.28 |
| 1.414 | 13.46 | 50.13 | 0.5  | 6.48 | 126.24 | 0.72 | 43.38 |
| 1.419 | 13.47 | 50.07 | 1.76 | 6.46 | 130.46 | 0.71 | 43.31 |
| 1.436 | 13.48 | 50.16 | 2.44 | 6.44 | 155.2  | 0.76 | 43.4  |
| 1.458 | 13.47 | 50.15 | 2.4  | 6.44 | 84.99  | 0.7  | 43.39 |
| 1.477 | 13.47 | 50.07 | 2.59 | 6.45 | 94.4   | 0.81 | 43.32 |
| 1.489 | 13.46 | 50.19 | 1.98 | 6.48 | 126.83 | 0.76 | 43.44 |
| 1.499 | 13.46 | 50.23 | 2.75 | 6.5  | 113.21 | 0.71 | 43.48 |
| 1.53  | 13.47 | 50.17 | 2.59 | 6.53 | 123.06 | 0.7  | 43.4  |
| 1.57  | 13.49 | 50.12 | 1.37 | 6.56 | 116.05 | 0.79 | 43.34 |
| 1.597 | 13.48 | 50.19 | 0.46 | 6.63 | 105.44 | 0.7  | 43.42 |
| 1.602 | 13.48 | 50.26 | 0.69 | 6.62 | 135.58 | 0.72 | 43.49 |
| 1.623 | 13.5  | 50.14 | 0.57 | 6.61 | 133.49 | 0.71 | 43.34 |
| 1.651 | 13.52 | 50.1  | 0.76 | 6.59 | 168.66 | 0.71 | 43.29 |
| 1.67  | 13.51 | 50.2  | 0.76 | 6.56 | 128.37 | 0.7  | 43.39 |
| 1.682 | 13.48 | 50.19 | 0.76 | 6.53 | 116.78 | 0.7  | 43.41 |
| 1.688 | 13.48 | 50.13 | 1.68 | 6.53 | 84.34  | 0.7  | 43.36 |
| 1.695 | 13.48 | 50.19 | 1.14 | 6.54 | 80.13  | 0.72 | 43.42 |
| 1.708 | 13.48 | 50.23 | 1.76 | 6.56 | 151.08 | 0.71 | 43.46 |
| 1.728 | 13.49 | 50.15 | 1.41 | 6.6  | 144.27 | 0.75 | 43.37 |
| 1.75  | 13.5  | 50.18 | 1.6  | 6.62 | 85.09  | 0.72 | 43.38 |
| 1.768 | 13.5  | 50.22 | 1.37 | 6.64 | 105.09 | 0.76 | 43.42 |
| 1.776 | 13.5  | 50.15 | 0.88 | 6.65 | 122.92 | 0.7  | 43.36 |
| 1.78  | 13.5  | 50.21 | 1.34 | 6.64 | 108.16 | 0.69 | 43.41 |
| 1.792 | 13.51 | 50.24 | 1.41 | 6.62 | 106.71 | 0.71 | 43.44 |
| 1.809 | 13.51 | 50.17 | 1.45 | 6.59 | 93.14  | 0.72 | 43.36 |
| 1.827 | 13.51 | 50.19 | 1.83 | 6.57 | 99.16  | 0.73 | 43.38 |
| 1.833 | 13.51 | 50.21 | 1.34 | 6.53 | 156.68 | 0.69 | 43.4  |
| 1.858 | 13.51 | 50.29 | 1.79 | 6.51 | 123.84 | 0.73 | 43.48 |
| 1.902 | 13.53 | 50.17 | 0.99 | 6.51 | 108.18 | 0.69 | 43.35 |
| 1.936 | 13.54 | 50.19 | 0.8  | 6.5  | 115.2  | 0.72 | 43.36 |
| 1.963 | 13.52 | 50.28 | 1.03 | 6.49 | 137.7  | 0.72 | 43.46 |
| 1.977 | 13.51 | 50.19 | 0.61 | 6.51 | 118.53 | 0.69 | 43.39 |
| 1.99  | 13.52 | 50.25 | 0.69 | 6.52 | 97.31  | 0.73 | 43.43 |
| 2.012 | 13.52 | 50.26 | 1.03 | 6.56 | 85.31  | 0.7  | 43.45 |
| 2.02  | 13.51 | 50.3  | 0.88 | 6.79 | 89.0   | 0.77 | 43.5  |
| 2.035 | 13.51 | 50.21 | 0.99 | 6.87 | 106.64 | 0.79 | 43.41 |
| 2.068 | 13.51 | 50.22 | 1.03 | 6.91 | 115.62 | 0.72 | 43.41 |
| 2.105 | 13.51 | 50.26 | 0.84 | 6.94 | 109.27 | 0.74 | 43.45 |
| 2.125 | 13.51 | 50.2  | 0.57 | 6.94 | 116.51 | 0.76 | 43.4  |
| 2.127 | 13.5  | 50.31 | 0.53 | 6.85 | 96.23  | 0.69 | 43.51 |
| 2.149 | 13.5  | 50.25 | 1.41 | 6.78 | 137.0  | 0.74 | 43.46 |
| 2.187 | 13.51 | 50.2  | 1.6  | 6.71 | 124.09 | 0.73 | 43.39 |
| 2.215 | 13.51 | 50.26 | 0.95 | 6.65 | 84.32  | 0.7  | 43.45 |
| 2.229 | 13.5  | 50.29 | 0.92 | 6.59 | 80.8   | 0.71 | 43.5  |
| 2.242 | 13.5  | 50.24 | 0.57 | 6.54 | 114.05 | 0.73 | 43.44 |
| 2.256 | 13.51 | 50.23 | 0.61 | 6.5  | 93.36  | 0.72 | 43.43 |
| 2.266 | 13.51 | 50.29 | 0.61 | 6.49 | 99.68  | 0.76 | 43.48 |
| 2.272 | 13.51 | 50.26 | 0.46 | 6.5  | 102.57 | 0.72 | 43.46 |
| 2.289 | 13.51 | 50.25 | 0.65 | 6.51 | 100.4  | 0.76 | 43.44 |
| 2.315 | 13.51 | 50.27 | 0.84 | 6.53 | 103.14 | 0.72 | 43.46 |
| 2.345 | 13.52 | 50.27 | 0.61 | 6.54 | 112.66 | 0.72 | 43.45 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.375 | 13.52 | 50.25 | 0.61 | 6.55 | 98.65  | 0.71 | 43.43 |
| 2.393 | 13.52 | 50.25 | 1.03 | 6.55 | 91.62  | 0.71 | 43.43 |
| 2.406 | 13.53 | 50.28 | 1.03 | 6.53 | 105.88 | 0.7  | 43.45 |
| 2.421 | 13.53 | 50.3  | 1.26 | 6.51 | 126.12 | 0.72 | 43.47 |
| 2.438 | 13.54 | 50.27 | 0.92 | 6.48 | 101.32 | 0.7  | 43.44 |
| 2.454 | 13.54 | 50.28 | 1.3  | 6.45 | 92.8   | 0.72 | 43.44 |
| 2.468 | 13.55 | 50.3  | 2.33 | 6.42 | 91.36  | 0.71 | 43.45 |
| 2.476 | 13.55 | 50.3  | 1.76 | 6.4  | 106.29 | 0.72 | 43.44 |
| 2.479 | 13.56 | 50.29 | 1.72 | 6.38 | 105.95 | 0.72 | 43.43 |
| 2.492 | 13.56 | 50.34 | 2.71 | 6.35 | 98.1   | 0.7  | 43.47 |
| 2.534 | 13.57 | 50.34 | 2.75 | 6.33 | 105.07 | 0.72 | 43.47 |
| 2.551 | 13.53 | 50.35 | 0.57 | 6.25 | 92.45  | 0.72 | 43.52 |
| 2.571 | 13.53 | 50.27 | 0.95 | 6.26 | 102.16 | 0.73 | 43.44 |
| 2.604 | 13.54 | 50.24 | 0.8  | 6.3  | 119.33 | 0.69 | 43.4  |
| 2.623 | 13.53 | 50.3  | 0.5  | 6.48 | 95.92  | 0.74 | 43.47 |
| 2.632 | 13.52 | 50.33 | 0.53 | 6.57 | 97.7   | 0.72 | 43.51 |
| 2.668 | 13.53 | 50.29 | 0.46 | 6.66 | 99.09  | 0.73 | 43.46 |
| 2.703 | 13.52 | 50.32 | 0.5  | 6.76 | 108.48 | 0.72 | 43.5  |
| 2.705 | 13.52 | 50.29 | 0.57 | 6.72 | 106.96 | 0.72 | 43.47 |
| 2.735 | 13.53 | 50.33 | 0.92 | 6.69 | 101.39 | 0.72 | 43.5  |
| 2.782 | 13.53 | 50.3  | 0.95 | 6.66 | 109.47 | 0.72 | 43.46 |
| 2.806 | 13.54 | 50.37 | 0.57 | 6.58 | 80.8   | 0.72 | 43.52 |
| 2.81  | 13.54 | 50.31 | 0.76 | 6.56 | 103.57 | 0.76 | 43.46 |
| 2.839 | 13.55 | 50.29 | 1.68 | 6.55 | 96.32  | 0.7  | 43.44 |
| 2.889 | 13.55 | 50.34 | 2.14 | 6.54 | 79.5   | 0.72 | 43.48 |
| 2.942 | 13.55 | 50.31 | 1.49 | 6.55 | 76.29  | 0.73 | 43.46 |
| 2.953 | 13.53 | 50.38 | 0.57 | 6.61 | 80.99  | 0.73 | 43.54 |
| 2.981 | 13.53 | 50.36 | 0.61 | 6.64 | 77.25  | 0.7  | 43.53 |
| 3.034 | 13.54 | 50.28 | 1.68 | 6.67 | 87.25  | 0.74 | 43.44 |
| 3.081 | 13.54 | 50.32 | 1.18 | 6.69 | 87.41  | 0.73 | 43.48 |
| 3.106 | 13.52 | 50.35 | 0.61 | 6.7  | 97.9   | 0.72 | 43.53 |
| 3.111 | 13.51 | 50.33 | 0.5  | 6.7  | 110.9  | 0.73 | 43.51 |
| 3.118 | 13.52 | 50.35 | 0.42 | 6.69 | 100.52 | 0.71 | 43.53 |
| 3.136 | 13.53 | 50.33 | 0.53 | 6.71 | 84.83  | 0.76 | 43.5  |
| 3.158 | 13.53 | 50.32 | 0.5  | 6.74 | 78.66  | 0.71 | 43.49 |
| 3.181 | 13.53 | 50.35 | 0.61 | 6.78 | 84.89  | 0.74 | 43.51 |
| 3.212 | 13.53 | 50.36 | 0.88 | 6.82 | 106.76 | 0.69 | 43.52 |
| 3.252 | 13.53 | 50.34 | 0.95 | 6.86 | 98.76  | 0.72 | 43.5  |
| 3.291 | 13.53 | 50.34 | 0.53 | 6.81 | 82.83  | 0.71 | 43.51 |
| 3.293 | 13.54 | 50.31 | 0.42 | 6.76 | 82.68  | 0.76 | 43.47 |
| 3.301 | 13.54 | 50.35 | 0.5  | 6.7  | 94.49  | 0.75 | 43.51 |
| 3.321 | 13.54 | 50.36 | 4.04 | 6.64 | 101.34 | 0.73 | 43.52 |
| 3.346 | 13.54 | 50.31 | 3.09 | 6.59 | 93.16  | 0.72 | 43.46 |
| 3.374 | 13.54 | 50.34 | 3.17 | 6.53 | 84.89  | 0.78 | 43.49 |
| 3.415 | 13.53 | 50.38 | 2.21 | 6.5  | 82.3   | 0.76 | 43.54 |
| 3.453 | 13.54 | 50.32 | 1.72 | 6.49 | 84.48  | 0.73 | 43.48 |
| 3.478 | 13.54 | 50.35 | 1.64 | 6.48 | 84.15  | 0.76 | 43.5  |
| 3.51  | 13.52 | 50.39 | 1.56 | 6.49 | 83.8   | 0.76 | 43.56 |
| 3.566 | 13.53 | 50.35 | 2.14 | 6.52 | 86.12  | 0.73 | 43.52 |
| 3.622 | 13.52 | 50.36 | 0.53 | 6.86 | 79.17  | 0.76 | 43.55 |
| 3.65  | 13.52 | 50.34 | 0.61 | 6.92 | 77.18  | 0.72 | 43.52 |
| 3.697 | 13.53 | 50.34 | 0.57 | 6.95 | 87.1   | 0.75 | 43.51 |
| 3.726 | 13.53 | 50.33 | 0.53 | 6.96 | 89.9   | 0.71 | 43.5  |
| 3.735 | 13.53 | 50.35 | 0.53 | 6.94 | 84.05  | 0.73 | 43.52 |
| 3.741 | 13.53 | 50.37 | 0.5  | 6.91 | 83.78  | 0.79 | 43.54 |
| 3.758 | 13.53 | 50.36 | 0.88 | 6.84 | 82.41  | 0.75 | 43.53 |
| 3.767 | 13.53 | 50.37 | 0.38 | 6.52 | 81.58  | 0.72 | 43.54 |
| 3.769 | 13.53 | 50.36 | 0.65 | 6.44 | 81.22  | 0.76 | 43.53 |



|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.795 | 13.53 | 50.35 | 0.65 | 6.37 | 87.92 | 0.73 | 43.52 |
| 3.844 | 13.53 | 50.37 | 0.76 | 6.31 | 80.88 | 0.78 | 43.54 |
| 3.891 | 13.54 | 50.34 | 0.57 | 6.26 | 77.2  | 0.79 | 43.5  |
| 3.913 | 13.54 | 50.34 | 0.46 | 6.2  | 74.16 | 0.79 | 43.49 |
| 3.918 | 13.54 | 50.38 | 0.42 | 6.16 | 79.34 | 0.8  | 43.54 |
| 3.922 | 13.53 | 50.38 | 0.46 | 6.12 | 85.56 | 0.8  | 43.54 |
| 3.94  | 13.54 | 50.36 | 0.46 | 6.09 | 81.44 | 0.8  | 43.52 |
| 3.983 | 13.54 | 50.37 | 0.53 | 6.08 | 80.69 | 0.76 | 43.52 |
| 4.033 | 13.55 | 50.35 | 1.11 | 6.09 | 79.61 | 0.76 | 43.5  |
| 4.052 | 13.54 | 50.39 | 0.57 | 6.18 | 78.1  | 0.72 | 43.54 |
| 4.068 | 13.55 | 50.4  | 0.53 | 6.22 | 80.24 | 0.74 | 43.54 |
| 4.106 | 13.55 | 50.36 | 0.84 | 6.26 | 77.2  | 0.72 | 43.5  |
| 4.14  | 13.56 | 50.35 | 0.65 | 6.31 | 73.29 | 0.74 | 43.49 |
| 4.17  | 13.55 | 50.4  | 0.53 | 6.35 | 74.23 | 0.72 | 43.54 |
| 4.194 | 13.55 | 50.37 | 0.57 | 6.38 | 79.87 | 0.79 | 43.52 |
| 4.206 | 13.55 | 50.37 | 0.46 | 6.42 | 83.78 | 0.73 | 43.51 |
| 4.212 | 13.56 | 50.39 | 0.5  | 6.45 | 81.76 | 0.76 | 43.52 |
| 4.217 | 13.56 | 50.4  | 0.57 | 6.49 | 76.26 | 0.74 | 43.53 |
| 4.239 | 13.57 | 50.4  | 0.88 | 6.52 | 70.31 | 0.81 | 43.53 |
| 4.278 | 13.57 | 50.38 | 0.8  | 6.53 | 72.2  | 0.74 | 43.5  |
| 4.311 | 13.57 | 50.39 | 1.34 | 6.54 | 74.89 | 0.72 | 43.51 |
| 4.312 | 13.58 | 50.41 | 0.57 | 6.46 | 73.55 | 0.78 | 43.52 |
| 4.318 | 13.58 | 50.41 | 0.65 | 6.41 | 69.62 | 0.8  | 43.51 |
| 4.339 | 13.58 | 50.42 | 0.84 | 6.36 | 72.72 | 0.77 | 43.53 |
| 4.366 | 13.59 | 50.42 | 0.53 | 6.32 | 75.01 | 0.8  | 43.52 |
| 4.391 | 13.59 | 50.43 | 0.61 | 6.29 | 73.62 | 0.76 | 43.53 |
| 4.43  | 13.59 | 50.46 | 0.8  | 6.26 | 72.35 | 0.72 | 43.56 |
| 4.476 | 13.59 | 50.45 | 0.8  | 6.26 | 78.01 | 0.72 | 43.54 |
| 4.504 | 13.6  | 50.46 | 0.84 | 6.25 | 75.8  | 0.79 | 43.54 |
| 4.51  | 13.6  | 50.48 | 1.3  | 6.25 | 74.73 | 0.73 | 43.56 |
| 4.512 | 13.6  | 50.48 | 1.3  | 6.25 | 67.94 | 0.77 | 43.57 |
| 4.521 | 13.6  | 50.48 | 0.5  | 6.26 | 72.45 | 0.77 | 43.56 |
| 4.54  | 13.6  | 50.5  | 0.65 | 6.28 | 78.64 | 0.77 | 43.57 |
| 4.57  | 13.6  | 50.5  | 0.8  | 6.32 | 79.3  | 0.72 | 43.57 |
| 4.605 | 13.61 | 50.5  | 0.72 | 6.37 | 73.07 | 0.76 | 43.57 |
| 4.626 | 13.61 | 50.5  | 0.61 | 6.44 | 72.26 | 0.73 | 43.57 |
| 4.629 | 13.61 | 50.5  | 0.42 | 6.59 | 72.83 | 0.76 | 43.58 |
| 4.641 | 13.61 | 50.51 | 0.46 | 6.67 | 70.07 | 0.77 | 43.58 |
| 4.676 | 13.61 | 50.51 | 0.5  | 6.75 | 70.92 | 0.76 | 43.58 |
| 4.714 | 13.61 | 50.51 | 0.57 | 6.83 | 69.39 | 0.76 | 43.58 |
| 4.739 | 13.61 | 50.51 | 0.57 | 6.89 | 70.57 | 0.79 | 43.58 |
| 4.752 | 13.61 | 50.51 | 0.46 | 6.96 | 72.95 | 0.76 | 43.58 |
| 4.763 | 13.61 | 50.51 | 0.53 | 7.01 | 69.91 | 0.73 | 43.58 |
| 4.772 | 13.61 | 50.51 | 0.84 | 7.06 | 69.33 | 0.76 | 43.58 |
| 4.797 | 13.61 | 50.52 | 0.8  | 7.1  | 68.72 | 0.78 | 43.59 |
| 4.846 | 13.61 | 50.52 | 0.88 | 7.14 | 66.36 | 0.78 | 43.59 |
| 4.894 | 13.61 | 50.52 | 0.72 | 7.19 | 67.78 | 0.82 | 43.59 |
| 4.911 | 13.61 | 50.52 | 0.5  | 7.34 | 67.0  | 0.75 | 43.59 |
| 4.915 | 13.61 | 50.52 | 0.46 | 7.44 | 65.96 | 0.76 | 43.59 |
| 4.957 | 13.61 | 50.52 | 0.69 | 7.54 | 63.73 | 0.76 | 43.59 |
| 5.011 | 13.61 | 50.52 | 0.88 | 7.65 | 65.74 | 0.8  | 43.59 |
| 5.046 | 13.61 | 50.52 | 0.57 | 7.72 | 67.24 | 0.82 | 43.59 |
| 5.06  | 13.61 | 50.52 | 0.76 | 7.78 | 66.49 | 0.75 | 43.59 |
| 5.073 | 13.61 | 50.52 | 0.69 | 7.83 | 63.01 | 0.75 | 43.59 |
| 5.099 | 13.61 | 50.52 | 0.34 | 7.87 | 62.07 | 0.73 | 43.59 |
| 5.126 | 13.61 | 50.52 | 0.61 | 7.88 | 62.1  | 0.76 | 43.59 |
| 5.163 | 13.61 | 50.52 | 0.53 | 7.89 | 65.82 | 0.76 | 43.59 |
| 5.208 | 13.61 | 50.52 | 0.65 | 7.89 | 67.07 | 0.8  | 43.59 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 5.249 | 13.61 | 50.52 | 0.57 | 7.9  | 66.2  | 0.85 | 43.59 |
| 5.283 | 13.61 | 50.52 | 0.65 | 7.91 | 62.55 | 0.81 | 43.59 |
| 5.317 | 13.61 | 50.52 | 0.76 | 7.92 | 61.86 | 0.79 | 43.59 |
| 5.354 | 13.61 | 50.52 | 0.88 | 7.94 | 59.62 | 0.74 | 43.59 |
| 5.397 | 13.61 | 50.52 | 0.92 | 7.96 | 61.16 | 0.77 | 43.59 |
| 5.434 | 13.61 | 50.52 | 0.76 | 7.99 | 64.59 | 0.8  | 43.59 |
| 5.45  | 13.61 | 50.52 | 0.72 | 7.99 | 66.12 | 0.76 | 43.59 |
| 5.458 | 13.61 | 50.52 | 0.5  | 8.01 | 64.52 | 0.76 | 43.59 |
| 5.485 | 13.61 | 50.52 | 0.61 | 7.99 | 61.98 | 0.79 | 43.59 |
| 5.518 | 13.61 | 50.52 | 0.84 | 7.97 | 60.54 | 0.73 | 43.59 |
| 5.526 | 13.61 | 50.52 | 0.57 | 7.91 | 60.38 | 0.76 | 43.59 |
| 5.547 | 13.61 | 50.52 | 0.57 | 7.88 | 62.52 | 0.74 | 43.59 |
| 5.598 | 13.61 | 50.52 | 0.84 | 7.86 | 60.61 | 0.82 | 43.59 |
| 5.654 | 13.61 | 50.52 | 1.11 | 7.86 | 60.86 | 0.76 | 43.59 |
| 5.701 | 13.61 | 50.52 | 0.53 | 7.85 | 59.31 | 0.77 | 43.59 |
| 5.751 | 13.61 | 50.52 | 0.53 | 7.85 | 58.1  | 0.79 | 43.59 |
| 5.796 | 13.61 | 50.52 | 0.76 | 7.86 | 56.57 | 0.76 | 43.59 |
| 5.837 | 13.61 | 50.53 | 0.61 | 7.87 | 57.45 | 0.72 | 43.59 |
| 5.876 | 13.61 | 50.52 | 0.8  | 7.89 | 58.18 | 0.76 | 43.59 |
| 5.907 | 13.61 | 50.52 | 0.65 | 7.91 | 59.31 | 0.75 | 43.59 |
| 5.913 | 13.61 | 50.52 | 0.8  | 7.93 | 60.68 | 0.74 | 43.59 |
| 5.92  | 13.61 | 50.52 | 0.61 | 7.96 | 59.23 | 0.72 | 43.59 |
| 5.968 | 13.61 | 50.52 | 0.57 | 7.98 | 58.48 | 0.72 | 43.59 |
| 6.04  | 13.61 | 50.52 | 0.46 | 7.99 | 55.34 | 0.72 | 43.59 |
| 6.089 | 13.61 | 50.52 | 0.53 | 8.01 | 53.5  | 0.73 | 43.6  |
| 6.096 | 13.61 | 50.53 | 0.53 | 8.06 | 53.97 | 0.77 | 43.59 |
| 6.099 | 13.61 | 50.53 | 0.61 | 8.07 | 54.82 | 0.69 | 43.59 |
| 6.101 | 13.61 | 50.53 | 1.03 | 8.08 | 54.07 | 0.76 | 43.6  |
| 6.105 | 13.61 | 50.53 | 0.69 | 8.09 | 53.44 | 0.71 | 43.6  |



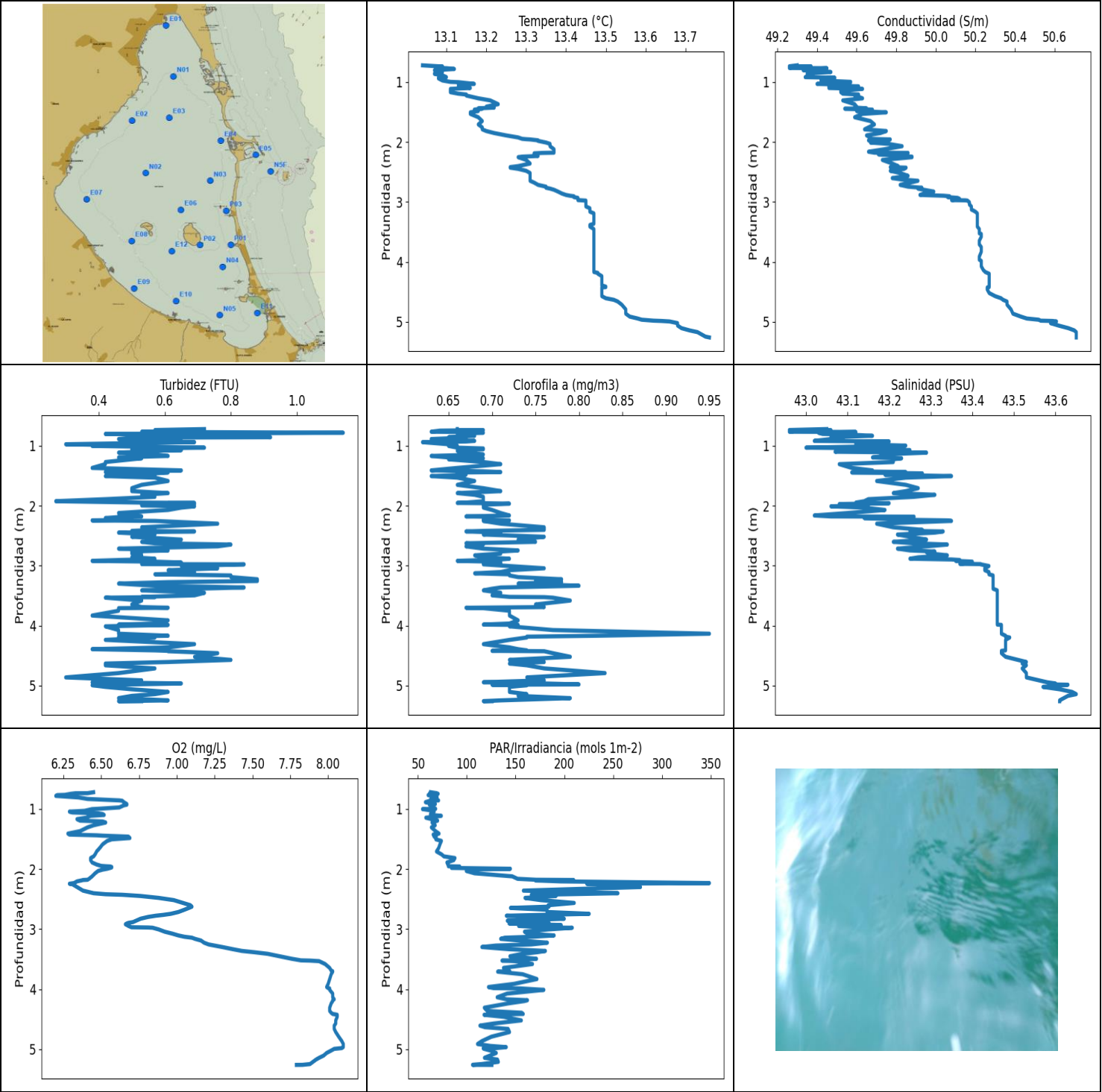
| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 12.87      | 49.24               | 0.19           | 6.04           | 139.89                      | 0.6               | 43.06           |
| PROF (metros)                                                                | 0.709      | 0.742               | 0.734          | 0.768          | 1.523                       | 0.713             | 0.768           |
| MÁXIMO                                                                       | 13.12      | 13.12               | 1.18           | 7.04           | 580.81                      | 0.79              | 43.41           |
| PROF (metros)                                                                | 1.466      | 1.447               | 0.974          | 1.556          | 0.974                       | 1.556             | 1.523           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E01 - Punto 004                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 12.99      | 49.34               | 0.68           | 6.29           | 265.6                       | 0.65              | 43.15           |
| 1 - 2m                                                     | 13.05      | 49.52               | 0.56           | 6.41           | 199.93                      | 0.67              | 43.25           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.709                                                          | 12.87      | 49.26               | 0.46           | 6.51           | 281.3                       | 0.66              | 43.2            |
| 0.712                                                          | 12.88      | 49.3                | 0.65           | 6.3            | 313.97                      | 0.64              | 43.23           |
| 0.713                                                          | 12.9       | 49.29               | 0.53           | 6.25           | 307.28                      | 0.6               | 43.2            |
| 0.72                                                           | 12.91      | 49.26               | 0.57           | 6.2            | 318.07                      | 0.63              | 43.16           |
| 0.734                                                          | 12.91      | 49.3                | 0.19           | 6.15           | 276.78                      | 0.61              | 43.19           |
| 0.742                                                          | 12.93      | 49.24               | 0.42           | 6.11           | 251.86                      | 0.66              | 43.11           |
| 0.752                                                          | 12.95      | 49.35               | 0.46           | 6.08           | 220.03                      | 0.68              | 43.21           |
| 0.765                                                          | 12.97      | 49.28               | 0.34           | 6.06           | 389.04                      | 0.66              | 43.11           |
| 0.768                                                          | 12.98      | 49.24               | 0.42           | 6.04           | 489.27                      | 0.67              | 43.06           |
| 0.771                                                          | 12.99      | 49.36               | 0.88           | 6.04           | 239.51                      | 0.66              | 43.17           |
| 0.786                                                          | 12.98      | 49.36               | 0.53           | 6.05           | 272.45                      | 0.67              | 43.18           |
| 0.807                                                          | 12.98      | 49.27               | 0.57           | 6.1            | 328.49                      | 0.63              | 43.08           |
| 0.832                                                          | 12.99      | 49.32               | 0.42           | 6.16           | 258.19                      | 0.65              | 43.12           |
| 0.854                                                          | 13.0       | 49.35               | 0.42           | 6.24           | 247.46                      | 0.61              | 43.14           |
| 0.868                                                          | 12.99      | 49.32               | 0.42           | 6.32           | 205.3                       | 0.69              | 43.12           |
| 0.877                                                          | 12.98      | 49.37               | 0.65           | 6.4            | 247.98                      | 0.63              | 43.19           |
| 0.895                                                          | 12.98      | 49.42               | 0.53           | 6.46           | 187.21                      | 0.64              | 43.23           |
| 0.91                                                           | 13.04      | 49.44               | 1.07           | 6.48           | 212.95                      | 0.65              | 43.18           |
| 0.932                                                          | 13.05      | 49.32               | 0.84           | 6.47           | 262.53                      | 0.66              | 43.06           |
| 0.944                                                          | 13.06      | 49.37               | 0.99           | 6.45           | 231.59                      | 0.66              | 43.1            |
| 0.95                                                           | 13.05      | 49.52               | 0.88           | 6.45           | 180.1                       | 0.68              | 43.26           |
| 0.953                                                          | 13.04      | 49.35               | 0.95           | 6.44           | 151.26                      | 0.72              | 43.1            |
| 0.959                                                          | 13.05      | 49.35               | 0.72           | 6.44           | 157.99                      | 0.67              | 43.09           |
| 0.974                                                          | 13.04      | 49.45               | 1.18           | 6.42           | 580.81                      | 0.68              | 43.2            |
| 0.982                                                          | 13.03      | 49.34               | 1.18           | 6.42           | 188.95                      | 0.64              | 43.1            |
| 0.985                                                          | 13.03      | 49.39               | 1.18           | 6.41           | 205.73                      | 0.66              | 43.15           |
| 0.992                                                          | 13.03      | 49.46               | 0.99           | 6.41           | 165.03                      | 0.63              | 43.22           |
| 1.003                                                          | 13.03      | 49.38               | 0.84           | 6.41           | 190.75                      | 0.6               | 43.14           |
| 1.015                                                          | 13.02      | 49.39               | 0.76           | 6.41           | 159.1                       | 0.66              | 43.16           |
| 1.025                                                          | 13.02      | 49.43               | 0.88           | 6.56           | 147.82                      | 0.63              | 43.2            |
| 1.026                                                          | 13.03      | 49.37               | 0.57           | 6.61           | 350.92                      | 0.63              | 43.12           |
| 1.034                                                          | 13.04      | 49.44               | 0.72           | 6.64           | 184.58                      | 0.61              | 43.19           |
| 1.048                                                          | 13.05      | 49.45               | 0.84           | 6.64           | 231.65                      | 0.66              | 43.19           |
| 1.066                                                          | 13.04      | 49.41               | 0.72           | 6.64           | 189.12                      | 0.66              | 43.15           |
| 1.078                                                          | 13.05      | 49.4                | 0.53           | 6.5            | 211.23                      | 0.62              | 43.13           |
| 1.091                                                          | 13.06      | 49.5                | 0.72           | 6.45           | 167.85                      | 0.65              | 43.22           |
| 1.117                                                          | 13.06      | 49.5                | 0.76           | 6.4            | 159.17                      | 0.72              | 43.22           |
| 1.121                                                          | 13.04      | 49.41               | 0.65           | 6.25           | 232.78                      | 0.69              | 43.16           |
| 1.127                                                          | 13.05      | 49.44               | 0.61           | 6.23           | 243.26                      | 0.68              | 43.18           |
| 1.141                                                          | 13.04      | 49.51               | 0.57           | 6.22           | 162.49                      | 0.69              | 43.25           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.152 | 13.04 | 49.45 | 0.46 | 6.28 | 172.74 | 0.7  | 43.2  |
| 1.156 | 13.04 | 49.48 | 0.42 | 6.3  | 183.77 | 0.66 | 43.23 |
| 1.16  | 13.04 | 49.54 | 0.57 | 6.33 | 248.33 | 0.69 | 43.29 |
| 1.164 | 13.04 | 49.46 | 0.38 | 6.36 | 199.48 | 0.66 | 43.21 |
| 1.169 | 13.05 | 49.45 | 0.34 | 6.38 | 266.7  | 0.72 | 43.18 |
| 1.175 | 13.05 | 49.55 | 0.42 | 6.41 | 155.92 | 0.69 | 43.28 |
| 1.188 | 13.06 | 49.52 | 0.42 | 6.43 | 163.54 | 0.66 | 43.25 |
| 1.199 | 13.07 | 49.44 | 0.57 | 6.44 | 237.41 | 0.64 | 43.16 |
| 1.215 | 13.06 | 49.6  | 0.53 | 6.44 | 246.55 | 0.7  | 43.32 |
| 1.237 | 13.05 | 49.49 | 0.3  | 6.44 | 147.82 | 0.69 | 43.22 |
| 1.253 | 13.05 | 49.46 | 0.57 | 6.43 | 183.43 | 0.72 | 43.19 |
| 1.262 | 13.04 | 49.59 | 0.5  | 6.42 | 204.44 | 0.66 | 43.33 |
| 1.266 | 13.03 | 49.54 | 0.53 | 6.42 | 162.34 | 0.63 | 43.29 |
| 1.27  | 13.03 | 49.5  | 0.53 | 6.42 | 182.41 | 0.65 | 43.25 |
| 1.273 | 13.04 | 49.48 | 0.46 | 6.42 | 178.97 | 0.66 | 43.23 |
| 1.275 | 13.05 | 49.56 | 0.53 | 6.42 | 180.31 | 0.62 | 43.29 |
| 1.282 | 13.06 | 49.55 | 0.46 | 6.41 | 163.13 | 0.64 | 43.27 |
| 1.29  | 13.07 | 49.5  | 0.57 | 6.41 | 223.01 | 0.74 | 43.21 |
| 1.3   | 13.07 | 49.54 | 0.65 | 6.4  | 156.61 | 0.69 | 43.25 |
| 1.313 | 13.07 | 49.55 | 0.46 | 6.38 | 155.67 | 0.65 | 43.26 |
| 1.324 | 13.08 | 49.47 | 0.46 | 6.37 | 202.32 | 0.65 | 43.18 |
| 1.328 | 13.08 | 49.53 | 0.5  | 6.35 | 195.41 | 0.64 | 43.23 |
| 1.334 | 13.07 | 49.57 | 0.5  | 6.33 | 186.86 | 0.7  | 43.27 |
| 1.341 | 13.07 | 49.53 | 0.46 | 6.33 | 183.47 | 0.7  | 43.24 |
| 1.352 | 13.06 | 49.58 | 0.46 | 6.32 | 177.32 | 0.71 | 43.3  |
| 1.367 | 13.06 | 49.59 | 0.69 | 6.31 | 195.95 | 0.66 | 43.32 |
| 1.38  | 13.07 | 49.51 | 0.5  | 6.3  | 151.08 | 0.71 | 43.23 |
| 1.394 | 13.08 | 49.58 | 0.46 | 6.29 | 274.6  | 0.63 | 43.29 |
| 1.404 | 13.09 | 49.6  | 0.57 | 6.28 | 198.47 | 0.66 | 43.29 |
| 1.409 | 13.1  | 49.53 | 0.57 | 6.26 | 199.76 | 0.65 | 43.21 |
| 1.419 | 13.1  | 49.61 | 0.53 | 6.24 | 184.75 | 0.68 | 43.28 |
| 1.447 | 13.11 | 49.66 | 0.57 | 6.22 | 147.18 | 0.66 | 43.33 |
| 1.466 | 13.12 | 49.44 | 0.65 | 6.21 | 228.5  | 0.65 | 43.1  |
| 1.473 | 13.1  | 49.61 | 0.65 | 6.2  | 263.75 | 0.6  | 43.28 |
| 1.488 | 13.05 | 49.64 | 0.57 | 6.2  | 155.81 | 0.63 | 43.37 |
| 1.503 | 13.05 | 49.51 | 0.53 | 6.21 | 142.87 | 0.65 | 43.24 |
| 1.511 | 13.05 | 49.59 | 0.57 | 6.26 | 223.26 | 0.66 | 43.33 |
| 1.523 | 13.02 | 49.65 | 0.5  | 6.34 | 139.89 | 0.63 | 43.41 |
| 1.53  | 13.02 | 49.52 | 0.61 | 6.46 | 530.62 | 0.62 | 43.28 |
| 1.535 | 13.03 | 49.59 | 0.46 | 6.58 | 154.98 | 0.66 | 43.34 |
| 1.543 | 13.02 | 49.61 | 0.57 | 6.71 | 177.69 | 0.76 | 43.38 |
| 1.55  | 13.02 | 49.55 | 0.57 | 6.84 | 181.57 | 0.67 | 43.32 |
| 1.555 | 13.02 | 49.56 | 0.5  | 6.95 | 307.99 | 0.69 | 43.33 |
| 1.556 | 13.02 | 49.62 | 0.5  | 7.04 | 148.86 | 0.79 | 43.39 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.04      | 49.26               | 0.27           | 6.2            | 54.57                       | 0.62              | 42.96           |
| PROF (metros)                                                                | 0.72       | 0.736               | 1.923          | 0.781          | 1.001                       | 0.938             | 0.736           |
| MÁXIMO                                                                       | 13.76      | 13.76               | 1.14           | 8.1            | 348.73                      | 0.95              | 43.65           |
| PROF (metros)                                                                | 5.258      | 5.17                | 0.781          | 4.911          | 2.232                       | 4.133             | 5.141           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N01 - Punto 005                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.08      | 49.38               | 0.64           | 6.46           | 65.34                       | 0.66              | 43.08           |
| 1 - 2m                                                     | 13.2       | 49.62               | 0.53           | 6.47           | 73.49                       | 0.68              | 43.18           |
| 2 - 3m                                                     | 13.35      | 49.88               | 0.56           | 6.67           | 182.06                      | 0.7               | 43.26           |
| 3 - 4m                                                     | 13.47      | 50.21               | 0.62           | 7.57           | 152.75                      | 0.73              | 43.45           |
| 4 - 5m                                                     | 13.52      | 50.34               | 0.53           | 8.05           | 134.9                       | 0.75              | 43.52           |
| 5 - 6m                                                     | 13.72      | 50.68               | 0.52           | 7.92           | 122.94                      | 0.72              | 43.62           |

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

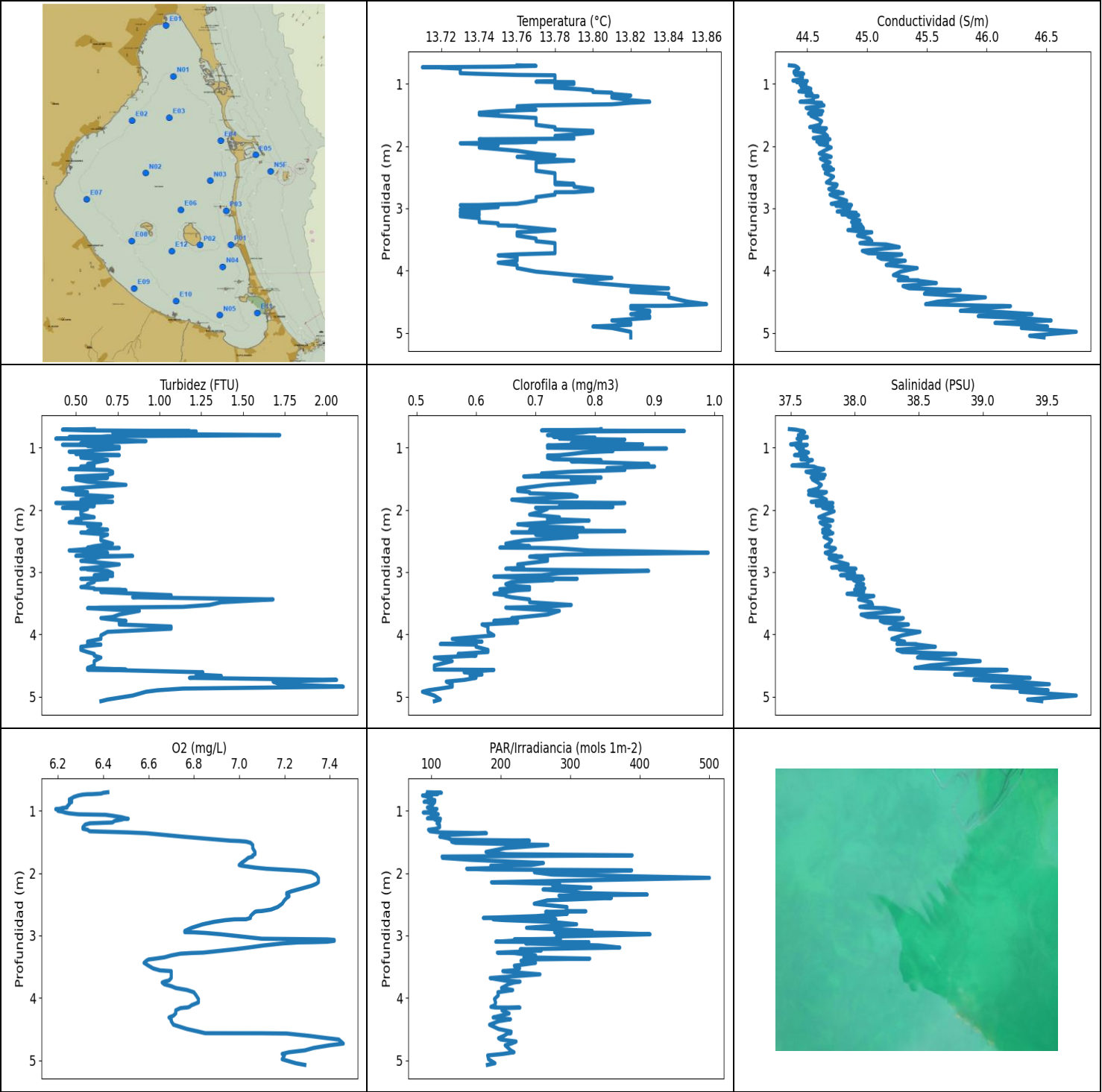
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.72                                                           | 13.04      | 49.3                | 0.72           | 6.45           | 62.76                       | 0.66              | 43.05           |
| 0.736                                                          | 13.08      | 49.26               | 0.57           | 6.41           | 68.96                       | 0.66              | 42.96           |
| 0.737                                                          | 13.09      | 49.37               | 0.61           | 6.33           | 61.83                       | 0.69              | 43.06           |
| 0.746                                                          | 13.08      | 49.28               | 0.72           | 6.3            | 70.61                       | 0.64              | 42.98           |
| 0.764                                                          | 13.08      | 49.26               | 0.53           | 6.26           | 67.91                       | 0.63              | 42.96           |
| 0.768                                                          | 13.1       | 49.45               | 0.57           | 6.21           | 60.31                       | 0.66              | 43.12           |
| 0.781                                                          | 13.12      | 49.38               | 1.14           | 6.2            | 64.5                        | 0.69              | 43.03           |
| 0.801                                                          | 13.07      | 49.33               | 0.42           | 6.31           | 69.23                       | 0.66              | 43.04           |
| 0.807                                                          | 13.08      | 49.38               | 0.84           | 6.35           | 69.54                       | 0.66              | 43.09           |
| 0.832                                                          | 13.09      | 49.47               | 0.84           | 6.41           | 63.14                       | 0.68              | 43.16           |
| 0.856                                                          | 13.07      | 49.35               | 0.92           | 6.62           | 71.05                       | 0.65              | 43.06           |
| 0.863                                                          | 13.07      | 49.38               | 0.5            | 6.64           | 61.94                       | 0.67              | 43.09           |
| 0.886                                                          | 13.09      | 49.37               | 0.46           | 6.65           | 57.51                       | 0.63              | 43.06           |
| 0.917                                                          | 13.1       | 49.34               | 0.65           | 6.67           | 67.75                       | 0.68              | 43.02           |
| 0.927                                                          | 13.08      | 49.49               | 0.53           | 6.67           | 61.5                        | 0.67              | 43.2            |
| 0.938                                                          | 13.08      | 49.43               | 0.69           | 6.65           | 64.18                       | 0.62              | 43.12           |
| 0.973                                                          | 13.09      | 49.42               | 0.3            | 6.62           | 65.27                       | 0.65              | 43.12           |
| 0.996                                                          | 13.11      | 49.57               | 0.53           | 6.48           | 68.08                       | 0.66              | 43.24           |
| 1.001                                                          | 13.13      | 49.57               | 0.38           | 6.44           | 54.56                       | 0.65              | 43.21           |
| 1.03                                                           | 13.17      | 49.4                | 0.72           | 6.39           | 66.43                       | 0.66              | 43.0            |
| 1.043                                                          | 13.13      | 49.55               | 0.53           | 6.29           | 66.48                       | 0.69              | 43.2            |
| 1.057                                                          | 13.15      | 49.48               | 0.5            | 6.31           | 64.21                       | 0.69              | 43.1            |
| 1.071                                                          | 13.13      | 49.61               | 0.65           | 6.48           | 65.08                       | 0.67              | 43.25           |
| 1.083                                                          | 13.15      | 49.46               | 0.57           | 6.51           | 62.69                       | 0.66              | 43.08           |
| 1.098                                                          | 13.16      | 49.46               | 0.53           | 6.52           | 63.11                       | 0.68              | 43.07           |
| 1.113                                                          | 13.11      | 49.63               | 0.46           | 6.43           | 73.87                       | 0.67              | 43.29           |
| 1.144                                                          | 13.11      | 49.52               | 0.57           | 6.4            | 57.95                       | 0.69              | 43.18           |
| 1.168                                                          | 13.11      | 49.52               | 0.61           | 6.34           | 63.72                       | 0.63              | 43.19           |
| 1.193                                                          | 13.13      | 49.53               | 0.46           | 6.36           | 70.05                       | 0.65              | 43.16           |
| 1.207                                                          | 13.15      | 49.61               | 0.53           | 6.51           | 67.16                       | 0.69              | 43.23           |
| 1.224                                                          | 13.15      | 49.59               | 0.5            | 6.53           | 64.3                        | 0.65              | 43.21           |
| 1.27                                                           | 13.18      | 49.63               | 0.42           | 6.45           | 67.6                        | 0.69              | 43.21           |
| 1.305                                                          | 13.21      | 49.53               | 0.42           | 6.41           | 63.63                       | 0.71              | 43.08           |
| 1.368                                                          | 13.23      | 49.59               | 0.38           | 6.36           | 67.96                       | 0.66              | 43.11           |
| 1.409                                                          | 13.2       | 49.6                | 0.65           | 6.28           | 71.51                       | 0.63              | 43.16           |
| 1.425                                                          | 13.22      | 49.59               | 0.53           | 6.29           | 65.47                       | 0.69              | 43.12           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.437 | 13.18 | 49.65 | 0.42 | 6.47 | 65.96  | 0.71 | 43.24 |
| 1.443 | 13.19 | 49.54 | 0.61 | 6.51 | 68.89  | 0.67 | 43.11 |
| 1.459 | 13.17 | 49.68 | 0.57 | 6.68 | 66.48  | 0.66 | 43.28 |
| 1.482 | 13.18 | 49.6  | 0.57 | 6.69 | 68.42  | 0.67 | 43.19 |
| 1.504 | 13.16 | 49.75 | 0.42 | 6.57 | 68.26  | 0.63 | 43.35 |
| 1.53  | 13.16 | 49.63 | 0.57 | 6.54 | 73.94  | 0.66 | 43.24 |
| 1.586 | 13.18 | 49.59 | 0.61 | 6.51 | 72.46  | 0.68 | 43.17 |
| 1.65  | 13.19 | 49.67 | 0.53 | 6.49 | 71.1   | 0.66 | 43.24 |
| 1.706 | 13.18 | 49.69 | 0.5  | 6.47 | 68.88  | 0.69 | 43.27 |
| 1.755 | 13.19 | 49.66 | 0.5  | 6.46 | 74.16  | 0.71 | 43.24 |
| 1.788 | 13.19 | 49.64 | 0.61 | 6.45 | 76.48  | 0.66 | 43.21 |
| 1.816 | 13.2  | 49.75 | 0.53 | 6.43 | 87.84  | 0.68 | 43.31 |
| 1.85  | 13.22 | 49.72 | 0.57 | 6.43 | 86.64  | 0.69 | 43.26 |
| 1.889 | 13.25 | 49.65 | 0.42 | 6.44 | 79.6   | 0.69 | 43.15 |
| 1.923 | 13.28 | 49.67 | 0.27 | 6.47 | 80.54  | 0.69 | 43.14 |
| 1.946 | 13.29 | 49.67 | 0.53 | 6.5  | 81.61  | 0.67 | 43.12 |
| 1.952 | 13.3  | 49.72 | 0.69 | 6.53 | 81.07  | 0.66 | 43.16 |
| 1.956 | 13.31 | 49.77 | 0.61 | 6.56 | 92.69  | 0.69 | 43.2  |
| 1.964 | 13.32 | 49.71 | 0.65 | 6.57 | 85.48  | 0.72 | 43.13 |
| 1.971 | 13.33 | 49.66 | 0.69 | 6.57 | 84.21  | 0.71 | 43.08 |
| 1.98  | 13.33 | 49.73 | 0.53 | 6.56 | 84.32  | 0.69 | 43.14 |
| 1.994 | 13.34 | 49.76 | 0.53 | 6.54 | 144.67 | 0.69 | 43.15 |
| 2.008 | 13.35 | 49.67 | 0.69 | 6.51 | 102.71 | 0.69 | 43.06 |
| 2.03  | 13.36 | 49.76 | 0.65 | 6.48 | 99.43  | 0.69 | 43.14 |
| 2.069 | 13.36 | 49.83 | 0.61 | 6.46 | 107.86 | 0.7  | 43.19 |
| 2.12  | 13.37 | 49.74 | 0.46 | 6.44 | 146.56 | 0.71 | 43.1  |
| 2.161 | 13.37 | 49.66 | 0.5  | 6.42 | 151.99 | 0.72 | 43.02 |
| 2.177 | 13.37 | 49.69 | 0.53 | 6.41 | 171.07 | 0.67 | 43.06 |
| 2.181 | 13.34 | 49.86 | 0.46 | 6.38 | 209.58 | 0.69 | 43.26 |
| 2.188 | 13.32 | 49.82 | 0.46 | 6.37 | 170.31 | 0.69 | 43.25 |
| 2.204 | 13.32 | 49.71 | 0.42 | 6.34 | 196.22 | 0.69 | 43.14 |
| 2.232 | 13.33 | 49.82 | 0.5  | 6.32 | 348.73 | 0.69 | 43.23 |
| 2.243 | 13.29 | 49.88 | 0.38 | 6.29 | 222.95 | 0.72 | 43.34 |
| 2.252 | 13.28 | 49.88 | 0.57 | 6.31 | 235.54 | 0.69 | 43.35 |
| 2.298 | 13.3  | 49.73 | 0.76 | 6.34 | 278.06 | 0.71 | 43.17 |
| 2.358 | 13.31 | 49.78 | 0.53 | 6.38 | 157.99 | 0.76 | 43.21 |
| 2.401 | 13.28 | 49.81 | 0.57 | 6.45 | 254.92 | 0.76 | 43.28 |
| 2.418 | 13.26 | 49.77 | 0.5  | 6.53 | 201.52 | 0.69 | 43.25 |
| 2.427 | 13.26 | 49.85 | 0.69 | 6.64 | 166.1  | 0.67 | 43.33 |
| 2.447 | 13.28 | 49.84 | 0.46 | 6.76 | 191.46 | 0.71 | 43.31 |
| 2.479 | 13.3  | 49.77 | 0.57 | 6.88 | 159.65 | 0.69 | 43.22 |
| 2.516 | 13.31 | 49.82 | 0.5  | 6.98 | 175.81 | 0.76 | 43.25 |
| 2.563 | 13.31 | 49.86 | 0.65 | 7.04 | 210.11 | 0.73 | 43.29 |
| 2.601 | 13.31 | 49.78 | 0.53 | 7.09 | 183.38 | 0.75 | 43.21 |
| 2.625 | 13.31 | 49.83 | 0.57 | 7.1  | 184.28 | 0.67 | 43.26 |
| 2.646 | 13.31 | 49.91 | 0.8  | 7.08 | 144.74 | 0.69 | 43.34 |
| 2.676 | 13.32 | 49.87 | 0.76 | 7.05 | 182.28 | 0.67 | 43.29 |
| 2.714 | 13.33 | 49.82 | 0.46 | 7.01 | 182.24 | 0.69 | 43.22 |
| 2.744 | 13.35 | 49.86 | 0.61 | 6.96 | 225.45 | 0.73 | 43.25 |
| 2.762 | 13.35 | 49.93 | 0.5  | 6.91 | 177.41 | 0.71 | 43.31 |
| 2.776 | 13.36 | 49.91 | 0.53 | 6.86 | 140.51 | 0.71 | 43.29 |
| 2.796 | 13.37 | 49.94 | 0.5  | 6.81 | 165.41 | 0.71 | 43.3  |
| 2.826 | 13.38 | 49.99 | 0.53 | 6.76 | 199.9  | 0.68 | 43.34 |
| 2.859 | 13.39 | 49.94 | 0.5  | 6.73 | 141.49 | 0.69 | 43.27 |
| 2.882 | 13.4  | 49.92 | 0.57 | 6.71 | 165.95 | 0.72 | 43.25 |
| 2.895 | 13.41 | 50.04 | 0.53 | 6.68 | 184.28 | 0.71 | 43.35 |
| 2.904 | 13.42 | 50.07 | 0.46 | 6.67 | 143.27 | 0.69 | 43.37 |
| 2.918 | 13.42 | 50.06 | 0.38 | 6.66 | 168.94 | 0.66 | 43.36 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.931 | 13.43 | 50.11 | 0.57 | 6.67 | 196.77 | 0.7  | 43.4  |
| 2.946 | 13.43 | 50.12 | 0.65 | 6.68 | 153.13 | 0.71 | 43.4  |
| 2.968 | 13.43 | 50.08 | 0.53 | 6.7  | 175.93 | 0.71 | 43.37 |
| 2.972 | 13.44 | 50.15 | 0.53 | 6.81 | 182.28 | 0.69 | 43.42 |
| 2.976 | 13.45 | 50.16 | 0.84 | 6.84 | 208.12 | 0.69 | 43.42 |
| 3.004 | 13.45 | 50.17 | 0.65 | 6.88 | 183.51 | 0.72 | 43.44 |
| 3.042 | 13.45 | 50.17 | 0.76 | 6.92 | 159.1  | 0.76 | 43.43 |
| 3.074 | 13.45 | 50.18 | 0.61 | 6.97 | 162.15 | 0.72 | 43.43 |
| 3.104 | 13.46 | 50.18 | 0.69 | 7.01 | 189.52 | 0.71 | 43.44 |
| 3.126 | 13.46 | 50.18 | 0.69 | 7.05 | 167.34 | 0.68 | 43.44 |
| 3.142 | 13.46 | 50.19 | 0.57 | 7.1  | 138.89 | 0.72 | 43.44 |
| 3.161 | 13.46 | 50.2  | 0.8  | 7.12 | 134.7  | 0.72 | 43.45 |
| 3.189 | 13.47 | 50.21 | 0.8  | 7.16 | 154.37 | 0.73 | 43.45 |
| 3.225 | 13.47 | 50.21 | 0.88 | 7.18 | 182.62 | 0.78 | 43.45 |
| 3.254 | 13.47 | 50.21 | 0.88 | 7.21 | 166.03 | 0.75 | 43.45 |
| 3.273 | 13.47 | 50.21 | 0.61 | 7.25 | 129.62 | 0.78 | 43.45 |
| 3.297 | 13.47 | 50.21 | 0.46 | 7.3  | 115.44 | 0.73 | 43.45 |
| 3.333 | 13.47 | 50.21 | 0.57 | 7.37 | 143.2  | 0.8  | 43.45 |
| 3.362 | 13.47 | 50.21 | 0.84 | 7.43 | 180.56 | 0.71 | 43.45 |
| 3.383 | 13.46 | 50.21 | 0.69 | 7.51 | 172.34 | 0.7  | 43.45 |
| 3.41  | 13.46 | 50.21 | 0.53 | 7.6  | 157.37 | 0.69 | 43.46 |
| 3.451 | 13.47 | 50.22 | 0.72 | 7.68 | 144.17 | 0.71 | 43.46 |
| 3.493 | 13.47 | 50.22 | 0.69 | 7.76 | 171.46 | 0.7  | 43.46 |
| 3.519 | 13.47 | 50.22 | 0.53 | 7.82 | 145.78 | 0.72 | 43.46 |
| 3.523 | 13.47 | 50.22 | 0.57 | 7.88 | 136.05 | 0.76 | 43.46 |
| 3.532 | 13.47 | 50.23 | 0.42 | 7.94 | 149.17 | 0.77 | 43.46 |
| 3.58  | 13.47 | 50.23 | 0.53 | 7.98 | 167.34 | 0.79 | 43.46 |
| 3.645 | 13.47 | 50.22 | 0.5  | 8.01 | 137.58 | 0.75 | 43.46 |
| 3.689 | 13.47 | 50.22 | 0.53 | 8.02 | 141.88 | 0.76 | 43.46 |
| 3.7   | 13.47 | 50.22 | 0.61 | 8.03 | 144.1  | 0.67 | 43.46 |
| 3.707 | 13.47 | 50.22 | 0.46 | 8.03 | 131.59 | 0.69 | 43.46 |
| 3.75  | 13.47 | 50.23 | 0.46 | 8.02 | 157.26 | 0.72 | 43.46 |
| 3.83  | 13.47 | 50.23 | 0.38 | 8.01 | 171.9  | 0.72 | 43.46 |
| 3.91  | 13.47 | 50.22 | 0.61 | 8.0  | 148.44 | 0.73 | 43.46 |
| 3.963 | 13.47 | 50.22 | 0.57 | 7.99 | 122.18 | 0.72 | 43.46 |
| 3.981 | 13.47 | 50.23 | 0.46 | 8.0  | 127.42 | 0.69 | 43.46 |
| 3.986 | 13.47 | 50.23 | 0.61 | 8.01 | 154.77 | 0.73 | 43.47 |
| 4.01  | 13.47 | 50.23 | 0.42 | 8.01 | 178.97 | 0.72 | 43.47 |
| 4.072 | 13.47 | 50.23 | 0.46 | 8.03 | 141.36 | 0.77 | 43.47 |
| 4.133 | 13.47 | 50.24 | 0.46 | 8.03 | 131.1  | 0.95 | 43.47 |
| 4.167 | 13.47 | 50.25 | 0.61 | 8.04 | 140.74 | 0.82 | 43.48 |
| 4.182 | 13.48 | 50.26 | 0.46 | 8.03 | 162.19 | 0.74 | 43.48 |
| 4.196 | 13.48 | 50.27 | 0.57 | 8.03 | 159.02 | 0.74 | 43.49 |
| 4.236 | 13.49 | 50.27 | 0.42 | 8.02 | 142.18 | 0.72 | 43.48 |
| 4.307 | 13.49 | 50.27 | 0.69 | 8.01 | 117.92 | 0.69 | 43.48 |
| 4.361 | 13.49 | 50.27 | 0.61 | 8.01 | 120.91 | 0.72 | 43.48 |
| 4.391 | 13.49 | 50.27 | 0.38 | 8.02 | 156.28 | 0.73 | 43.48 |
| 4.411 | 13.5  | 50.27 | 0.57 | 8.03 | 157.85 | 0.74 | 43.48 |
| 4.419 | 13.5  | 50.27 | 0.61 | 8.05 | 131.28 | 0.7  | 43.47 |
| 4.425 | 13.49 | 50.26 | 0.61 | 8.06 | 117.65 | 0.76 | 43.47 |
| 4.458 | 13.49 | 50.26 | 0.76 | 8.06 | 137.77 | 0.77 | 43.47 |
| 4.518 | 13.49 | 50.27 | 0.69 | 8.05 | 155.92 | 0.79 | 43.48 |
| 4.57  | 13.49 | 50.3  | 0.8  | 8.05 | 127.53 | 0.72 | 43.51 |
| 4.605 | 13.5  | 50.33 | 0.61 | 8.04 | 113.42 | 0.76 | 43.53 |
| 4.631 | 13.52 | 50.34 | 0.42 | 8.04 | 118.56 | 0.72 | 43.52 |
| 4.66  | 13.53 | 50.36 | 0.42 | 8.04 | 142.34 | 0.74 | 43.53 |
| 4.712 | 13.54 | 50.36 | 0.57 | 8.05 | 143.77 | 0.76 | 43.52 |
| 4.79  | 13.55 | 50.38 | 0.46 | 8.07 | 125.1  | 0.83 | 43.53 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.862 | 13.55 | 50.39 | 0.3  | 8.09 | 115.52 | 0.74 | 43.53 |
| 4.911 | 13.56 | 50.43 | 0.53 | 8.1  | 110.95 | 0.76 | 43.56 |
| 4.943 | 13.58 | 50.46 | 0.38 | 8.1  | 124.09 | 0.69 | 43.58 |
| 4.963 | 13.59 | 50.52 | 0.65 | 8.1  | 140.44 | 0.76 | 43.6  |
| 4.979 | 13.62 | 50.53 | 0.5  | 8.09 | 129.74 | 0.8  | 43.59 |
| 4.984 | 13.64 | 50.59 | 0.46 | 8.07 | 116.78 | 0.7  | 43.63 |
| 4.992 | 13.66 | 50.61 | 0.38 | 8.04 | 117.82 | 0.74 | 43.62 |
| 5.02  | 13.68 | 50.58 | 0.42 | 8.02 | 124.15 | 0.72 | 43.57 |
| 5.06  | 13.68 | 50.62 | 0.5  | 7.99 | 130.19 | 0.72 | 43.61 |
| 5.104 | 13.69 | 50.67 | 0.61 | 7.97 | 123.63 | 0.72 | 43.64 |
| 5.141 | 13.71 | 50.7  | 0.57 | 7.94 | 118.06 | 0.74 | 43.65 |
| 5.17  | 13.73 | 50.71 | 0.5  | 7.92 | 131.44 | 0.73 | 43.63 |
| 5.208 | 13.74 | 50.71 | 0.46 | 7.9  | 132.32 | 0.79 | 43.62 |
| 5.245 | 13.75 | 50.71 | 0.61 | 7.88 | 115.14 | 0.71 | 43.61 |
| 5.258 | 13.76 | 50.71 | 0.46 | 7.83 | 105.85 | 0.69 | 43.61 |
| 5.259 | 13.76 | 50.71 | 0.53 | 7.79 | 125.66 | 0.7  | 43.61 |



| 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                                                                       | 13.71      | 44.35               | 0.38           | 6.19           | 87.35                       | 0.51              | 37.49           |
| PROF (metros)                                                                | 0.734      | 0.703               | 0.857          | 0.973          | 0.755                       | 4.921             | 0.703           |
| MÁXIMO                                                                       | 13.86      | 13.86               | 2.1            | 7.46           | 500.51                      | 0.99              | 39.73           |
| PROF (metros)                                                                | 4.539      | 4.982               | 4.84           | 4.731          | 2.075                       | 2.689             | 4.982           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E05 - Punto 006                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.76      | 44.43               | 0.72           | 6.27           | 100.1                       | 0.78              | 37.58           |
| 1 - 2m                                                     | 13.78      | 44.56               | 0.59           | 6.74           | 159.76                      | 0.77              | 37.68           |
| 2 - 3m                                                     | 13.77      | 44.71               | 0.61           | 7.11           | 294.47                      | 0.72              | 37.82           |
| 3 - 4m                                                     | 13.76      | 45.0                | 0.79           | 6.86           | 237.32                      | 0.67              | 38.11           |
| 4 - 5m                                                     | 13.82      | 45.83               | 0.91           | 7.0            | 202.84                      | 0.57              | 38.84           |
| 5 - 6m                                                     | 13.82      | 46.42               | 0.67           | 7.27           | 186.24                      | 0.54              | 39.4            |

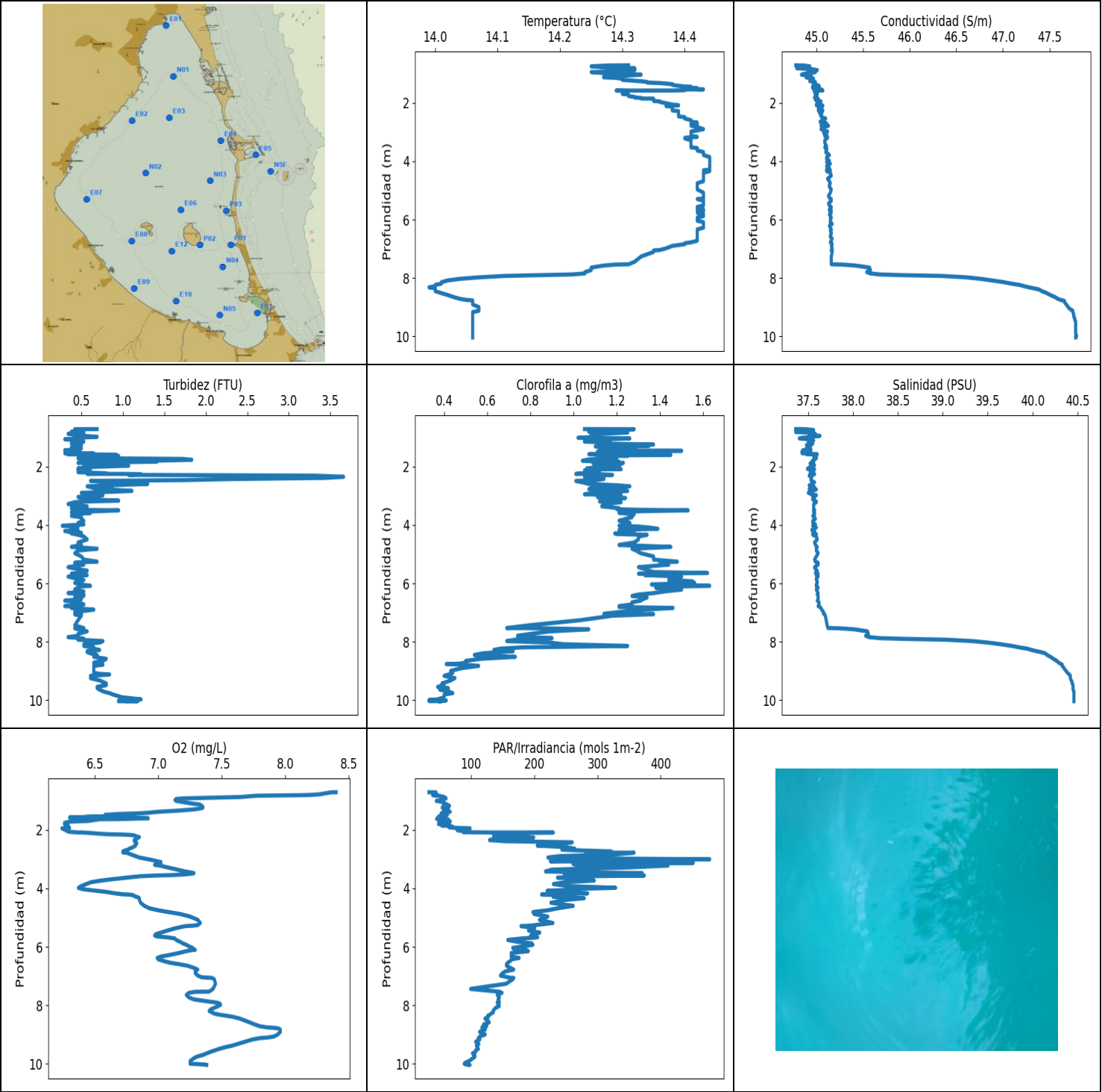
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.703                                                          | 13.76      | 44.35               | 0.61           | 6.42           | 94.68                       | 0.81              | 37.49           |
| 0.712                                                          | 13.77      | 44.4                | 0.42           | 6.4            | 114.56                      | 0.81              | 37.54           |
| 0.725                                                          | 13.75      | 44.41               | 0.57           | 6.39           | 93.59                       | 0.71              | 37.57           |
| 0.734                                                          | 13.71      | 44.41               | 1.18           | 6.35           | 109.06                      | 0.95              | 37.6            |
| 0.735                                                          | 13.72      | 44.42               | 0.88           | 6.33           | 97.33                       | 0.9               | 37.6            |
| 0.741                                                          | 13.72      | 44.42               | 1.22           | 6.31           | 102.19                      | 0.79              | 37.6            |
| 0.755                                                          | 13.73      | 44.43               | 0.72           | 6.29           | 87.35                       | 0.78              | 37.61           |
| 0.778                                                          | 13.73      | 44.41               | 0.8            | 6.27           | 95.3                        | 0.74              | 37.59           |
| 0.8                                                            | 13.73      | 44.39               | 1.72           | 6.26           | 100.59                      | 0.72              | 37.56           |
| 0.818                                                          | 13.73      | 44.41               | 0.69           | 6.25           | 100.59                      | 0.76              | 37.58           |
| 0.826                                                          | 13.73      | 44.39               | 0.65           | 6.25           | 95.43                       | 0.73              | 37.57           |
| 0.829                                                          | 13.73      | 44.46               | 0.46           | 6.26           | 105.09                      | 0.76              | 37.63           |
| 0.84                                                           | 13.74      | 44.47               | 0.69           | 6.25           | 98.72                       | 0.8               | 37.63           |
| 0.857                                                          | 13.76      | 44.4                | 0.38           | 6.26           | 89.62                       | 0.74              | 37.55           |
| 0.862                                                          | 13.78      | 44.43               | 0.69           | 6.26           | 104.9                       | 0.76              | 37.56           |
| 0.863                                                          | 13.78      | 44.44               | 0.57           | 6.26           | 94.88                       | 0.78              | 37.56           |
| 0.872                                                          | 13.78      | 44.45               | 0.69           | 6.25           | 104.03                      | 0.85              | 37.58           |
| 0.896                                                          | 13.78      | 44.46               | 0.92           | 6.25           | 102.31                      | 0.82              | 37.58           |
| 0.929                                                          | 13.78      | 44.44               | 0.53           | 6.24           | 98.88                       | 0.76              | 37.56           |
| 0.948                                                          | 13.78      | 44.38               | 0.61           | 6.24           | 94.34                       | 0.88              | 37.5            |
| 0.955                                                          | 13.78      | 44.5                | 0.42           | 6.22           | 102.09                      | 0.76              | 37.63           |
| 0.966                                                          | 13.77      | 44.49               | 0.65           | 6.21           | 97.4                        | 0.72              | 37.62           |
| 0.971                                                          | 13.78      | 44.41               | 0.61           | 6.2            | 108.21                      | 0.73              | 37.54           |
| 0.973                                                          | 13.79      | 44.47               | 0.72           | 6.19           | 107.71                      | 0.76              | 37.58           |
| 0.975                                                          | 13.79      | 44.49               | 0.57           | 6.19           | 98.01                       | 0.72              | 37.6            |
| 0.987                                                          | 13.79      | 44.49               | 0.76           | 6.2            | 105.7                       | 0.73              | 37.6            |
| 1.003                                                          | 13.79      | 44.44               | 0.76           | 6.2            | 104.37                      | 0.72              | 37.55           |
| 1.015                                                          | 13.78      | 44.44               | 0.76           | 6.22           | 100.73                      | 0.92              | 37.56           |
| 1.028                                                          | 13.78      | 44.49               | 0.69           | 6.23           | 88.47                       | 0.8               | 37.6            |
| 1.042                                                          | 13.78      | 44.48               | 0.61           | 6.25           | 106.94                      | 0.82              | 37.6            |
| 1.057                                                          | 13.78      | 44.45               | 0.57           | 6.29           | 110.05                      | 0.83              | 37.57           |
| 1.065                                                          | 13.78      | 44.51               | 0.46           | 6.41           | 104.83                      | 0.81              | 37.62           |
| 1.08                                                           | 13.79      | 44.53               | 0.53           | 6.44           | 99.87                       | 0.78              | 37.64           |
| 1.103                                                          | 13.8       | 44.48               | 0.5            | 6.48           | 101.03                      | 0.76              | 37.58           |
| 1.122                                                          | 13.8       | 44.43               | 0.76           | 6.5            | 94.36                       | 0.74              | 37.53           |
| 1.128                                                          | 13.8       | 44.46               | 0.61           | 6.51           | 113.24                      | 0.72              | 37.56           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.131 | 13.8  | 44.53 | 0.57 | 6.49 | 112.92 | 0.73 | 37.62 |
| 1.142 | 13.81 | 44.49 | 0.53 | 6.48 | 105.19 | 0.74 | 37.59 |
| 1.162 | 13.81 | 44.54 | 0.53 | 6.45 | 112.53 | 0.72 | 37.63 |
| 1.188 | 13.82 | 44.49 | 0.65 | 6.44 | 108.89 | 0.73 | 37.58 |
| 1.201 | 13.81 | 44.59 | 0.69 | 6.34 | 108.21 | 0.81 | 37.67 |
| 1.221 | 13.81 | 44.55 | 0.65 | 6.32 | 111.73 | 0.76 | 37.64 |
| 1.263 | 13.82 | 44.55 | 0.57 | 6.31 | 112.04 | 0.89 | 37.63 |
| 1.289 | 13.83 | 44.44 | 0.61 | 6.31 | 106.76 | 0.85 | 37.51 |
| 1.304 | 13.82 | 44.62 | 0.53 | 6.33 | 95.99  | 0.9  | 37.68 |
| 1.329 | 13.81 | 44.62 | 0.61 | 6.34 | 98.22  | 0.82 | 37.71 |
| 1.347 | 13.77 | 44.64 | 0.46 | 6.51 | 112.53 | 0.83 | 37.76 |
| 1.36  | 13.76 | 44.6  | 0.69 | 6.59 | 179.39 | 0.85 | 37.74 |
| 1.387 | 13.76 | 44.49 | 0.72 | 6.67 | 127.0  | 0.76 | 37.62 |
| 1.415 | 13.77 | 44.54 | 0.72 | 6.75 | 112.19 | 0.71 | 37.67 |
| 1.439 | 13.75 | 44.63 | 0.69 | 6.83 | 123.29 | 0.72 | 37.77 |
| 1.464 | 13.74 | 44.54 | 0.5  | 6.91 | 129.26 | 0.68 | 37.7  |
| 1.479 | 13.75 | 44.51 | 0.5  | 6.96 | 241.29 | 0.81 | 37.66 |
| 1.485 | 13.75 | 44.62 | 0.69 | 7.0  | 227.39 | 0.81 | 37.76 |
| 1.494 | 13.74 | 44.6  | 0.61 | 7.03 | 129.29 | 0.78 | 37.75 |
| 1.513 | 13.75 | 44.53 | 0.5  | 7.05 | 134.52 | 0.76 | 37.67 |
| 1.548 | 13.77 | 44.57 | 0.57 | 7.06 | 267.94 | 0.8  | 37.7  |
| 1.599 | 13.77 | 44.62 | 0.8  | 7.06 | 206.25 | 0.72 | 37.74 |
| 1.66  | 13.77 | 44.6  | 0.42 | 7.07 | 178.77 | 0.67 | 37.71 |
| 1.696 | 13.78 | 44.52 | 0.5  | 7.07 | 208.41 | 0.67 | 37.64 |
| 1.714 | 13.78 | 44.66 | 0.57 | 7.06 | 389.31 | 0.69 | 37.78 |
| 1.734 | 13.78 | 44.65 | 0.53 | 7.06 | 115.54 | 0.69 | 37.76 |
| 1.755 | 13.8  | 44.55 | 0.5  | 7.04 | 116.13 | 0.76 | 37.64 |
| 1.786 | 13.8  | 44.64 | 0.72 | 7.03 | 155.74 | 0.77 | 37.73 |
| 1.837 | 13.78 | 44.67 | 0.53 | 7.01 | 261.5  | 0.66 | 37.78 |
| 1.87  | 13.79 | 44.55 | 0.72 | 7.0  | 243.88 | 0.69 | 37.66 |
| 1.88  | 13.79 | 44.64 | 0.65 | 7.01 | 185.61 | 0.74 | 37.74 |
| 1.89  | 13.74 | 44.69 | 0.38 | 7.03 | 186.25 | 0.85 | 37.83 |
| 1.911 | 13.75 | 44.62 | 0.61 | 7.07 | 215.24 | 0.79 | 37.77 |
| 1.929 | 13.77 | 44.58 | 0.57 | 7.12 | 150.94 | 0.79 | 37.7  |
| 1.941 | 13.76 | 44.67 | 0.61 | 7.18 | 179.39 | 0.74 | 37.8  |
| 1.954 | 13.73 | 44.67 | 0.5  | 7.24 | 388.5  | 0.83 | 37.83 |
| 1.967 | 13.74 | 44.6  | 0.42 | 7.29 | 357.98 | 0.7  | 37.75 |
| 1.985 | 13.75 | 44.65 | 0.57 | 7.32 | 248.5  | 0.72 | 37.79 |
| 2.023 | 13.74 | 44.7  | 0.53 | 7.34 | 274.29 | 0.71 | 37.84 |
| 2.075 | 13.76 | 44.64 | 0.53 | 7.35 | 500.51 | 0.69 | 37.77 |
| 2.119 | 13.77 | 44.6  | 0.61 | 7.35 | 301.0  | 0.74 | 37.72 |
| 2.146 | 13.78 | 44.66 | 0.5  | 7.35 | 186.69 | 0.72 | 37.78 |
| 2.172 | 13.76 | 44.7  | 0.53 | 7.34 | 284.78 | 0.79 | 37.83 |
| 2.202 | 13.77 | 44.61 | 0.46 | 7.32 | 274.92 | 0.72 | 37.73 |
| 2.232 | 13.79 | 44.64 | 0.65 | 7.29 | 329.94 | 0.67 | 37.75 |
| 2.261 | 13.77 | 44.69 | 0.57 | 7.26 | 260.89 | 0.7  | 37.81 |
| 2.292 | 13.77 | 44.66 | 0.61 | 7.23 | 302.19 | 0.78 | 37.78 |
| 2.319 | 13.77 | 44.63 | 0.69 | 7.21 | 315.5  | 0.69 | 37.75 |
| 2.343 | 13.77 | 44.7  | 0.57 | 7.21 | 410.92 | 0.85 | 37.81 |
| 2.36  | 13.77 | 44.67 | 0.65 | 7.22 | 283.86 | 0.66 | 37.79 |
| 2.364 | 13.77 | 44.64 | 0.53 | 7.22 | 297.53 | 0.7  | 37.75 |
| 2.373 | 13.77 | 44.72 | 0.57 | 7.22 | 318.74 | 0.77 | 37.83 |
| 2.397 | 13.77 | 44.68 | 0.69 | 7.21 | 359.4  | 0.7  | 37.79 |
| 2.436 | 13.78 | 44.65 | 0.65 | 7.2  | 267.01 | 0.77 | 37.76 |
| 2.49  | 13.78 | 44.72 | 0.65 | 7.19 | 248.21 | 0.68 | 37.82 |
| 2.543 | 13.78 | 44.69 | 0.72 | 7.17 | 295.4  | 0.65 | 37.8  |
| 2.584 | 13.78 | 44.66 | 0.61 | 7.14 | 294.65 | 0.69 | 37.77 |
| 2.607 | 13.79 | 44.71 | 0.57 | 7.1  | 295.47 | 0.64 | 37.82 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.611 | 13.78 | 44.74 | 0.76 | 7.08 | 322.6  | 0.71 | 37.84 |
| 2.62  | 13.79 | 44.75 | 0.61 | 7.07 | 264.73 | 0.74 | 37.85 |
| 2.652 | 13.79 | 44.74 | 0.46 | 7.06 | 295.75 | 0.79 | 37.83 |
| 2.689 | 13.8  | 44.68 | 0.69 | 7.05 | 250.52 | 0.99 | 37.77 |
| 2.718 | 13.8  | 44.71 | 0.61 | 7.05 | 174.91 | 0.75 | 37.8  |
| 2.739 | 13.79 | 44.77 | 0.5  | 7.03 | 279.36 | 0.71 | 37.86 |
| 2.74  | 13.78 | 44.74 | 0.84 | 6.98 | 189.08 | 0.7  | 37.84 |
| 2.753 | 13.78 | 44.8  | 0.65 | 6.94 | 205.73 | 0.69 | 37.9  |
| 2.78  | 13.78 | 44.69 | 0.61 | 6.89 | 270.88 | 0.72 | 37.8  |
| 2.819 | 13.77 | 44.74 | 0.53 | 6.84 | 309.28 | 0.72 | 37.85 |
| 2.876 | 13.77 | 44.83 | 0.76 | 6.79 | 237.13 | 0.67 | 37.95 |
| 2.926 | 13.76 | 44.7  | 0.61 | 6.76 | 331.78 | 0.68 | 37.82 |
| 2.946 | 13.74 | 44.87 | 0.53 | 6.76 | 311.29 | 0.65 | 38.01 |
| 2.948 | 13.73 | 44.8  | 0.57 | 6.8  | 277.61 | 0.66 | 37.94 |
| 2.958 | 13.75 | 44.74 | 0.57 | 6.85 | 363.33 | 0.66 | 37.88 |
| 2.98  | 13.75 | 44.86 | 0.69 | 6.92 | 415.03 | 0.89 | 37.99 |
| 3.016 | 13.73 | 44.85 | 0.72 | 7.01 | 280.33 | 0.74 | 38.0  |
| 3.051 | 13.74 | 44.75 | 0.61 | 7.1  | 286.17 | 0.71 | 37.89 |
| 3.062 | 13.73 | 44.84 | 0.72 | 7.39 | 219.47 | 0.66 | 37.98 |
| 3.07  | 13.73 | 44.91 | 0.61 | 7.42 | 244.73 | 0.63 | 38.06 |
| 3.085 | 13.74 | 44.85 | 0.61 | 7.42 | 214.34 | 0.66 | 38.0  |
| 3.099 | 13.74 | 44.79 | 0.61 | 7.39 | 192.89 | 0.69 | 37.94 |
| 3.106 | 13.74 | 44.88 | 0.53 | 7.33 | 326.89 | 0.77 | 38.02 |
| 3.11  | 13.73 | 44.93 | 0.69 | 7.26 | 264.49 | 0.69 | 38.07 |
| 3.127 | 13.73 | 44.84 | 0.61 | 7.19 | 236.09 | 0.73 | 37.99 |
| 3.158 | 13.74 | 44.88 | 0.61 | 7.11 | 341.29 | 0.66 | 38.02 |
| 3.193 | 13.74 | 44.94 | 0.57 | 7.04 | 371.42 | 0.65 | 38.07 |
| 3.22  | 13.74 | 44.87 | 0.57 | 6.98 | 228.08 | 0.66 | 38.01 |
| 3.24  | 13.75 | 44.89 | 0.53 | 6.93 | 258.31 | 0.69 | 38.02 |
| 3.259 | 13.75 | 44.95 | 0.61 | 6.88 | 227.23 | 0.66 | 38.08 |
| 3.274 | 13.75 | 44.91 | 0.61 | 6.84 | 195.14 | 0.64 | 38.03 |
| 3.28  | 13.76 | 44.88 | 0.76 | 6.79 | 219.52 | 0.69 | 38.0  |
| 3.291 | 13.76 | 44.96 | 0.8  | 6.74 | 226.6  | 0.67 | 38.07 |
| 3.319 | 13.77 | 44.97 | 0.65 | 6.7  | 250.29 | 0.65 | 38.07 |
| 3.349 | 13.78 | 44.84 | 0.88 | 6.67 | 233.37 | 0.63 | 37.94 |
| 3.37  | 13.77 | 44.94 | 1.07 | 6.63 | 328.18 | 0.65 | 38.04 |
| 3.384 | 13.76 | 45.04 | 0.95 | 6.6  | 235.93 | 0.65 | 38.15 |
| 3.404 | 13.76 | 44.98 | 0.84 | 6.59 | 229.14 | 0.66 | 38.1  |
| 3.438 | 13.76 | 44.92 | 1.68 | 6.58 | 250.06 | 0.69 | 38.03 |
| 3.484 | 13.77 | 45.02 | 1.37 | 6.6  | 219.57 | 0.69 | 38.13 |
| 3.527 | 13.77 | 45.04 | 1.3  | 6.62 | 227.18 | 0.76 | 38.14 |
| 3.558 | 13.78 | 44.94 | 1.14 | 6.65 | 217.34 | 0.71 | 38.04 |
| 3.57  | 13.78 | 45.0  | 0.65 | 6.7  | 203.03 | 0.65 | 38.09 |
| 3.579 | 13.78 | 45.16 | 0.57 | 6.7  | 208.17 | 0.66 | 38.24 |
| 3.622 | 13.78 | 45.27 | 0.88 | 6.7  | 256.52 | 0.74 | 38.35 |
| 3.681 | 13.78 | 44.96 | 0.76 | 6.7  | 184.79 | 0.72 | 38.05 |
| 3.72  | 13.78 | 45.01 | 0.72 | 6.69 | 204.96 | 0.68 | 38.1  |
| 3.738 | 13.76 | 45.29 | 0.65 | 6.67 | 227.81 | 0.66 | 38.38 |
| 3.753 | 13.75 | 45.25 | 0.69 | 6.66 | 218.81 | 0.67 | 38.36 |
| 3.782 | 13.76 | 45.09 | 0.8  | 6.67 | 210.5  | 0.63 | 38.2  |
| 3.811 | 13.76 | 45.12 | 0.76 | 6.7  | 206.2  | 0.67 | 38.23 |
| 3.841 | 13.76 | 45.32 | 0.76 | 6.72 | 201.1  | 0.61 | 38.42 |
| 3.873 | 13.75 | 45.21 | 1.07 | 6.77 | 217.24 | 0.62 | 38.32 |
| 3.909 | 13.76 | 45.16 | 1.07 | 6.8  | 195.86 | 0.62 | 38.27 |
| 3.959 | 13.76 | 45.42 | 0.69 | 6.81 | 196.54 | 0.62 | 38.51 |
| 4.016 | 13.77 | 45.28 | 0.65 | 6.82 | 191.02 | 0.63 | 38.37 |
| 4.072 | 13.79 | 45.22 | 0.65 | 6.82 | 192.62 | 0.56 | 38.29 |
| 4.116 | 13.81 | 45.34 | 0.57 | 6.79 | 191.55 | 0.61 | 38.39 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.143 | 13.8  | 45.34 | 0.61 | 6.78 | 185.82 | 0.57 | 38.39 |
| 4.153 | 13.8  | 45.26 | 0.57 | 6.77 | 192.13 | 0.55 | 38.33 |
| 4.155 | 13.79 | 45.43 | 0.57 | 6.76 | 227.6  | 0.54 | 38.48 |
| 4.164 | 13.79 | 45.43 | 0.65 | 6.74 | 203.31 | 0.6  | 38.49 |
| 4.198 | 13.8  | 45.58 | 0.53 | 6.72 | 201.76 | 0.6  | 38.63 |
| 4.248 | 13.82 | 45.3  | 0.53 | 6.72 | 212.12 | 0.62 | 38.33 |
| 4.283 | 13.84 | 45.35 | 0.57 | 6.71 | 200.13 | 0.62 | 38.37 |
| 4.313 | 13.82 | 45.78 | 0.61 | 6.69 | 188.99 | 0.57 | 38.79 |
| 4.341 | 13.82 | 45.5  | 0.61 | 6.7  | 214.14 | 0.6  | 38.53 |
| 4.372 | 13.84 | 45.48 | 0.65 | 6.7  | 197.18 | 0.53 | 38.49 |
| 4.429 | 13.84 | 45.99 | 0.61 | 6.71 | 183.89 | 0.56 | 38.98 |
| 4.498 | 13.85 | 45.59 | 0.61 | 6.77 | 197.0  | 0.53 | 38.59 |
| 4.539 | 13.86 | 45.49 | 0.57 | 6.82 | 214.99 | 0.53 | 38.47 |
| 4.565 | 13.84 | 46.03 | 0.8  | 6.85 | 213.65 | 0.53 | 39.01 |
| 4.566 | 13.82 | 46.14 | 0.57 | 7.1  | 214.54 | 0.56 | 39.13 |
| 4.57  | 13.82 | 46.2  | 0.69 | 7.21 | 209.72 | 0.63 | 39.19 |
| 4.608 | 13.82 | 45.94 | 1.26 | 7.31 | 204.35 | 0.58 | 38.94 |
| 4.645 | 13.83 | 45.78 | 1.22 | 7.39 | 196.86 | 0.61 | 38.78 |
| 4.666 | 13.83 | 46.12 | 1.37 | 7.44 | 200.04 | 0.59 | 39.1  |
| 4.698 | 13.82 | 46.38 | 1.18 | 7.45 | 222.13 | 0.6  | 39.37 |
| 4.731 | 13.83 | 45.93 | 2.06 | 7.46 | 215.14 | 0.58 | 38.93 |
| 4.758 | 13.83 | 46.26 | 1.68 | 7.4  | 206.39 | 0.55 | 39.24 |
| 4.8   | 13.81 | 46.54 | 1.72 | 7.33 | 210.55 | 0.56 | 39.52 |
| 4.84  | 13.82 | 46.07 | 2.1  | 7.29 | 214.49 | 0.56 | 39.07 |
| 4.87  | 13.82 | 46.35 | 1.14 | 7.22 | 219.16 | 0.54 | 39.34 |
| 4.897 | 13.8  | 46.51 | 0.99 | 7.19 | 203.03 | 0.52 | 39.51 |
| 4.921 | 13.81 | 46.29 | 0.92 | 7.2  | 181.19 | 0.51 | 39.29 |
| 4.982 | 13.82 | 46.75 | 0.84 | 7.19 | 182.45 | 0.53 | 39.73 |
| 5.046 | 13.82 | 46.36 | 0.69 | 7.25 | 191.68 | 0.54 | 39.35 |
| 5.073 | 13.82 | 46.48 | 0.65 | 7.29 | 180.81 | 0.53 | 39.46 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.99      | 44.78               | 0.27           | 6.24           | 33.04                       | 0.33              | 37.36           |
| PROF (metros)                                                                | 8.318      | 0.716               | 4.025          | 1.95           | 0.716                       | 9.994             | 0.716           |
| MÁXIMO                                                                       | 14.44      | 14.44               | 3.66           | 8.4            | 477.62                      | 1.63              | 40.46           |
| PROF (metros)                                                                | 3.857      | 9.971               | 2.35           | 0.716          | 3.009                       | 6.083             | 9.693           |



| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N5F - Punto 007                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 14.29      | 44.89               | 0.49           | 7.87           | 46.61                       | 1.13              | 37.49           |
| 1 - 2m                                                     | 14.35      | 44.99               | 0.62           | 6.69           | 57.76                       | 1.19              | 37.52           |
| 10 - 11m                                                   | 14.06      | 47.78               | 1.03           | 7.34           | 95.18                       | 0.38              | 40.46           |
| 2 - 3m                                                     | 14.4       | 45.05               | 1.01           | 6.71           | 206.32                      | 1.11              | 37.54           |
| 3 - 4m                                                     | 14.42      | 45.11               | 0.54           | 6.91           | 305.44                      | 1.22              | 37.56           |
| 4 - 5m                                                     | 14.43      | 45.13               | 0.44           | 6.81           | 237.01                      | 1.28              | 37.57           |
| 5 - 6m                                                     | 14.43      | 45.15               | 0.48           | 7.14           | 194.31                      | 1.42              | 37.59           |
| 6 - 7m                                                     | 14.42      | 45.16               | 0.47           | 7.2            | 164.47                      | 1.35              | 37.61           |
| 7 - 8m                                                     | 14.26      | 45.51               | 0.48           | 7.37           | 146.21                      | 0.93              | 38.09           |
| 8 - 9m                                                     | 14.03      | 47.38               | 0.66           | 7.67           | 126.71                      | 0.64              | 40.11           |
| 9 - 10m                                                    | 14.06      | 47.77               | 0.82           | 7.48           | 105.11                      | 0.4               | 40.44           |

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

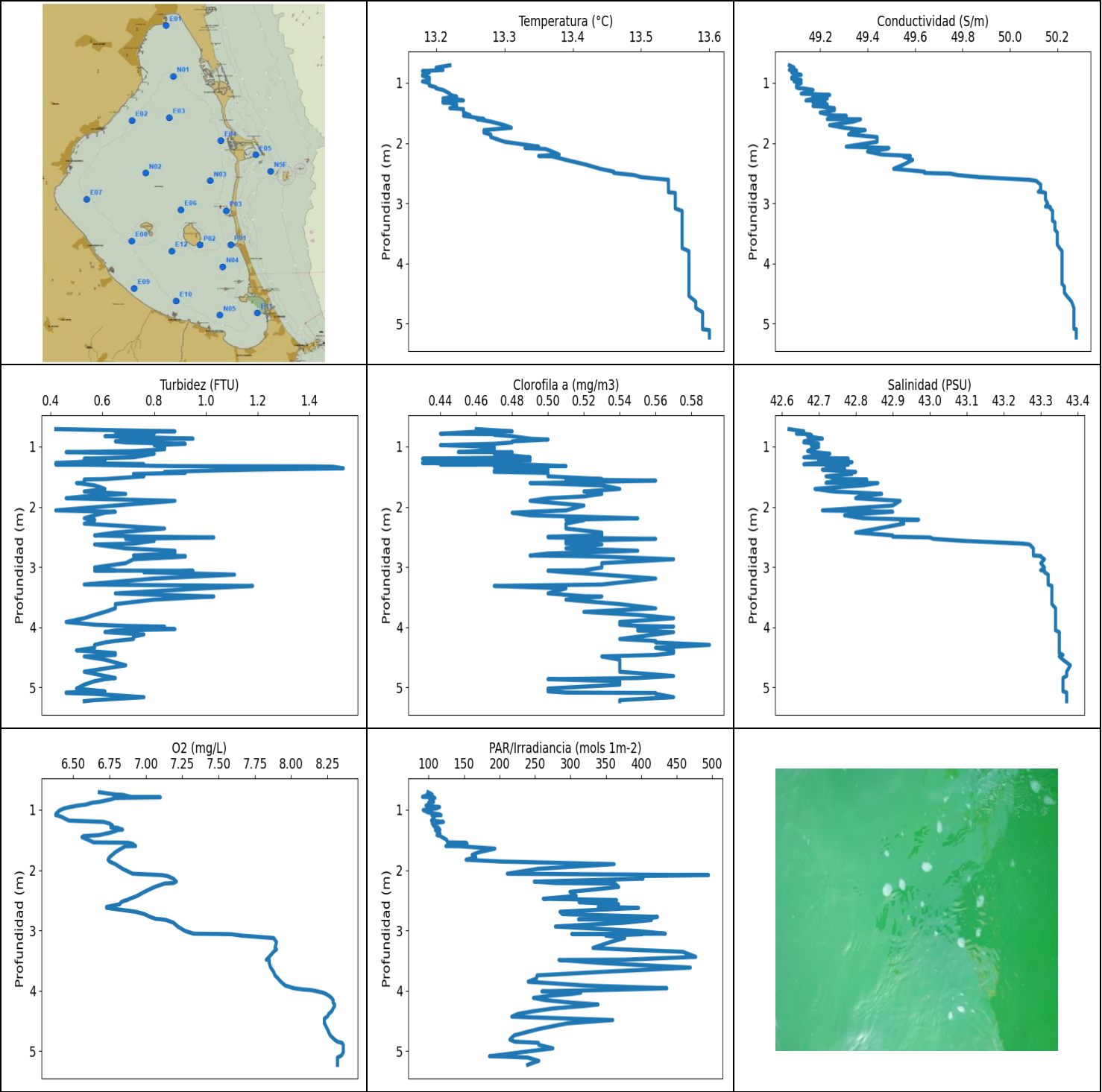
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.716                                                          | 14.31      | 44.78               | 0.69           | 8.4            | 33.04                       | 1.05              | 37.36           |
| 0.72                                                           | 14.28      | 44.86               | 0.42           | 8.36           | 44.2                        | 1.28              | 37.47           |
| 0.749                                                          | 14.25      | 44.93               | 0.5            | 8.32           | 41.24                       | 1.18              | 37.56           |
| 0.787                                                          | 14.27      | 44.9                | 0.42           | 8.27           | 45.34                       | 1.07              | 37.52           |
| 0.808                                                          | 14.3       | 44.8                | 0.38           | 8.2            | 39.31                       | 1.07              | 37.39           |
| 0.816                                                          | 14.32      | 44.79               | 0.53           | 8.14           | 38.8                        | 1.14              | 37.36           |
| 0.83                                                           | 14.31      | 44.87               | 0.53           | 7.86           | 42.05                       | 1.11              | 37.45           |
| 0.835                                                          | 14.31      | 44.92               | 0.42           | 7.77           | 48.08                       | 1.25              | 37.5            |
| 0.879                                                          | 14.32      | 45.01               | 0.34           | 7.65           | 57.0                        | 1.13              | 37.58           |
| 0.927                                                          | 14.29      | 44.91               | 0.46           | 7.2            | 60.16                       | 1.08              | 37.51           |
| 0.947                                                          | 14.25      | 44.99               | 0.53           | 7.14           | 57.17                       | 1.08              | 37.63           |
| 0.981                                                          | 14.27      | 44.92               | 0.69           | 7.13           | 53.0                        | 1.12              | 37.53           |
| 1.013                                                          | 14.31      | 44.86               | 0.46           | 7.14           | 44.58                       | 1.02              | 37.44           |
| 1.035                                                          | 14.33      | 44.84               | 0.5            | 7.17           | 51.29                       | 1.26              | 37.4            |
| 1.065                                                          | 14.31      | 44.93               | 0.3            | 7.21           | 56.8                        | 1.16              | 37.5            |
| 1.107                                                          | 14.27      | 44.95               | 0.46           | 7.27           | 55.59                       | 1.05              | 37.56           |
| 1.128                                                          | 14.27      | 44.89               | 0.42           | 7.32           | 61.5                        | 1.09              | 37.5            |
| 1.145                                                          | 14.29      | 44.94               | 0.53           | 7.33           | 58.96                       | 1.05              | 37.54           |
| 1.176                                                          | 14.3       | 44.97               | 0.46           | 7.34           | 65.56                       | 1.17              | 37.55           |
| 1.213                                                          | 14.3       | 44.97               | 0.38           | 7.35           | 55.74                       | 1.12              | 37.55           |
| 1.244                                                          | 14.32      | 44.93               | 0.5            | 7.35           | 53.94                       | 1.37              | 37.49           |
| 1.261                                                          | 14.33      | 44.93               | 0.42           | 7.34           | 63.86                       | 1.16              | 37.48           |
| 1.286                                                          | 14.34      | 44.99               | 0.46           | 7.31           | 60.38                       | 1.35              | 37.53           |
| 1.307                                                          | 14.34      | 44.97               | 0.5            | 7.27           | 58.26                       | 1.1               | 37.51           |
| 1.323                                                          | 14.36      | 44.97               | 0.42           | 7.22           | 56.26                       | 1.16              | 37.5            |
| 1.343                                                          | 14.37      | 44.98               | 0.38           | 7.16           | 56.03                       | 1.17              | 37.5            |
| 1.361                                                          | 14.38      | 44.97               | 0.46           | 7.09           | 60.2                        | 1.19              | 37.48           |
| 1.384                                                          | 14.38      | 45.0                | 0.5            | 7.0            | 66.65                       | 1.21              | 37.5            |
| 1.418                                                          | 14.39      | 45.03               | 0.46           | 6.92           | 55.86                       | 1.12              | 37.53           |
| 1.44                                                           | 14.4       | 44.96               | 0.3            | 6.84           | 52.24                       | 1.29              | 37.44           |
| 1.448                                                          | 14.41      | 44.96               | 0.42           | 6.76           | 55.0                        | 1.25              | 37.44           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.459 | 14.41 | 45.0  | 0.42 | 6.69 | 52.76  | 1.5  | 37.48 |
| 1.473 | 14.41 | 45.02 | 0.46 | 6.64 | 53.59  | 1.14 | 37.49 |
| 1.48  | 14.41 | 44.97 | 0.46 | 6.6  | 55.16  | 1.12 | 37.44 |
| 1.484 | 14.41 | 44.96 | 0.38 | 6.59 | 51.86  | 1.12 | 37.43 |
| 1.487 | 14.41 | 44.97 | 0.46 | 6.58 | 55.82  | 1.11 | 37.44 |
| 1.495 | 14.42 | 45.01 | 0.42 | 6.58 | 62.16  | 1.14 | 37.47 |
| 1.516 | 14.42 | 45.04 | 0.34 | 6.6  | 58.3   | 1.27 | 37.5  |
| 1.534 | 14.42 | 44.98 | 0.42 | 6.61 | 52.18  | 1.21 | 37.45 |
| 1.539 | 14.43 | 44.97 | 0.5  | 6.62 | 55.11  | 1.21 | 37.43 |
| 1.541 | 14.42 | 45.03 | 0.3  | 6.6  | 53.36  | 1.23 | 37.5  |
| 1.543 | 14.4  | 45.04 | 0.5  | 6.47 | 48.5   | 1.27 | 37.52 |
| 1.551 | 14.4  | 45.06 | 0.65 | 6.44 | 49.82  | 1.24 | 37.54 |
| 1.567 | 14.4  | 45.02 | 0.57 | 6.41 | 48.11  | 1.3  | 37.5  |
| 1.576 | 14.39 | 44.99 | 0.34 | 6.33 | 56.26  | 1.11 | 37.48 |
| 1.578 | 14.38 | 45.07 | 0.42 | 6.3  | 55.32  | 1.36 | 37.57 |
| 1.58  | 14.29 | 45.01 | 0.34 | 6.8  | 58.75  | 1.07 | 37.6  |
| 1.592 | 14.31 | 44.98 | 0.92 | 6.83 | 52.25  | 1.29 | 37.55 |
| 1.603 | 14.3  | 45.0  | 0.46 | 6.9  | 46.33  | 1.45 | 37.58 |
| 1.609 | 14.3  | 45.01 | 0.61 | 6.92 | 48.93  | 1.3  | 37.59 |
| 1.615 | 14.3  | 45.0  | 0.76 | 6.84 | 46.56  | 1.16 | 37.58 |
| 1.627 | 14.3  | 44.98 | 0.72 | 6.76 | 45.1   | 1.16 | 37.56 |
| 1.633 | 14.3  | 44.98 | 0.5  | 6.69 | 47.3   | 1.25 | 37.56 |
| 1.636 | 14.3  | 44.99 | 0.95 | 6.58 | 51.45  | 1.11 | 37.57 |
| 1.638 | 14.3  | 44.99 | 0.53 | 6.54 | 56.01  | 1.14 | 37.57 |
| 1.662 | 14.3  | 45.01 | 0.69 | 6.5  | 64.44  | 1.2  | 37.59 |
| 1.696 | 14.3  | 44.99 | 0.61 | 6.45 | 48.52  | 1.2  | 37.58 |
| 1.716 | 14.31 | 45.01 | 0.46 | 6.34 | 66.71  | 1.11 | 37.59 |
| 1.72  | 14.31 | 45.0  | 0.88 | 6.31 | 62.46  | 1.18 | 37.58 |
| 1.738 | 14.31 | 44.99 | 1.72 | 6.28 | 55.99  | 1.1  | 37.56 |
| 1.768 | 14.31 | 45.0  | 1.83 | 6.26 | 65.44  | 1.06 | 37.57 |
| 1.8   | 14.32 | 44.99 | 1.37 | 6.26 | 47.99  | 1.04 | 37.55 |
| 1.821 | 14.32 | 44.98 | 1.37 | 6.27 | 53.96  | 1.09 | 37.54 |
| 1.83  | 14.33 | 45.0  | 1.41 | 6.27 | 56.72  | 1.21 | 37.55 |
| 1.843 | 14.33 | 45.01 | 1.14 | 6.28 | 62.2   | 1.16 | 37.56 |
| 1.852 | 14.33 | 44.99 | 0.76 | 6.28 | 59.36  | 1.21 | 37.54 |
| 1.853 | 14.34 | 45.0  | 0.57 | 6.28 | 53.08  | 1.18 | 37.54 |
| 1.856 | 14.35 | 45.02 | 0.5  | 6.29 | 58.74  | 1.11 | 37.55 |
| 1.872 | 14.35 | 45.01 | 0.46 | 6.29 | 66.0   | 1.23 | 37.54 |
| 1.893 | 14.35 | 44.99 | 0.88 | 6.29 | 70.43  | 1.09 | 37.52 |
| 1.916 | 14.35 | 45.0  | 0.65 | 6.29 | 64.65  | 1.22 | 37.53 |
| 1.933 | 14.35 | 45.01 | 0.53 | 6.3  | 74.52  | 1.18 | 37.53 |
| 1.937 | 14.35 | 45.03 | 0.69 | 6.29 | 81.16  | 1.16 | 37.55 |
| 1.95  | 14.36 | 45.05 | 0.88 | 6.24 | 98.08  | 1.17 | 37.57 |
| 1.969 | 14.36 | 45.03 | 1.07 | 6.25 | 78.93  | 1.21 | 37.54 |
| 2.014 | 14.37 | 45.01 | 0.61 | 6.27 | 77.63  | 1.13 | 37.52 |
| 2.061 | 14.38 | 45.0  | 0.46 | 6.29 | 91.68  | 1.06 | 37.5  |
| 2.08  | 14.39 | 45.0  | 0.61 | 6.33 | 87.41  | 1.06 | 37.49 |
| 2.09  | 14.39 | 45.04 | 0.46 | 6.37 | 120.47 | 1.22 | 37.53 |
| 2.094 | 14.37 | 45.07 | 0.46 | 6.41 | 229.93 | 1.11 | 37.57 |
| 2.108 | 14.37 | 45.03 | 0.5  | 6.46 | 157.74 | 1.11 | 37.54 |
| 2.132 | 14.38 | 45.02 | 0.5  | 6.53 | 154.05 | 1.05 | 37.52 |
| 2.153 | 14.38 | 45.02 | 0.5  | 6.61 | 187.9  | 1.11 | 37.52 |
| 2.159 | 14.38 | 45.03 | 0.46 | 6.7  | 135.33 | 1.08 | 37.53 |
| 2.17  | 14.38 | 45.06 | 0.46 | 6.76 | 138.34 | 1.12 | 37.56 |
| 2.191 | 14.38 | 45.04 | 0.46 | 6.81 | 168.04 | 1.08 | 37.54 |
| 2.23  | 14.38 | 45.04 | 0.8  | 6.83 | 190.93 | 1.05 | 37.54 |
| 2.25  | 14.38 | 45.02 | 0.57 | 6.85 | 134.99 | 1.01 | 37.52 |
| 2.251 | 14.38 | 45.05 | 0.99 | 6.85 | 136.18 | 1.11 | 37.55 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.261 | 14.38 | 45.07 | 1.22 | 6.84 | 198.88 | 1.12 | 37.57 |
| 2.284 | 14.39 | 45.03 | 1.07 | 6.83 | 197.18 | 1.18 | 37.52 |
| 2.311 | 14.39 | 45.03 | 3.32 | 6.83 | 195.18 | 1.09 | 37.51 |
| 2.35  | 14.39 | 45.06 | 3.66 | 6.81 | 128.87 | 1.05 | 37.54 |
| 2.388 | 14.39 | 45.04 | 3.43 | 6.81 | 153.05 | 1.14 | 37.53 |
| 2.428 | 14.39 | 45.05 | 2.29 | 6.82 | 259.93 | 1.14 | 37.53 |
| 2.464 | 14.39 | 45.05 | 1.72 | 6.83 | 242.19 | 1.1  | 37.53 |
| 2.491 | 14.4  | 45.06 | 0.61 | 6.82 | 250.29 | 1.01 | 37.54 |
| 2.537 | 14.4  | 45.1  | 0.88 | 6.82 | 204.49 | 1.04 | 37.57 |
| 2.594 | 14.41 | 45.07 | 1.3  | 6.8  | 250.76 | 1.07 | 37.54 |
| 2.645 | 14.41 | 45.04 | 0.8  | 6.77 | 264.06 | 1.21 | 37.51 |
| 2.677 | 14.42 | 45.08 | 0.57 | 6.76 | 243.43 | 1.26 | 37.54 |
| 2.702 | 14.41 | 45.11 | 0.61 | 6.74 | 269.44 | 1.1  | 37.57 |
| 2.738 | 14.42 | 45.07 | 0.65 | 6.72 | 321.63 | 1.08 | 37.53 |
| 2.773 | 14.42 | 45.05 | 0.88 | 6.72 | 281.37 | 1.07 | 37.51 |
| 2.775 | 14.42 | 45.1  | 0.88 | 6.73 | 282.81 | 1.22 | 37.56 |
| 2.783 | 14.41 | 45.13 | 0.84 | 6.75 | 357.82 | 1.15 | 37.59 |
| 2.835 | 14.42 | 45.08 | 1.11 | 6.78 | 329.78 | 1.25 | 37.54 |
| 2.899 | 14.43 | 45.05 | 0.5  | 6.82 | 240.23 | 1.1  | 37.5  |
| 2.947 | 14.42 | 45.08 | 0.61 | 6.85 | 221.26 | 1.05 | 37.54 |
| 2.981 | 14.41 | 45.12 | 0.76 | 6.89 | 317.85 | 1.22 | 37.59 |
| 3.009 | 14.41 | 45.08 | 0.69 | 6.92 | 477.62 | 1.15 | 37.55 |
| 3.04  | 14.41 | 45.08 | 0.46 | 6.96 | 288.57 | 1.11 | 37.55 |
| 3.074 | 14.41 | 45.11 | 0.5  | 6.99 | 225.29 | 1.24 | 37.57 |
| 3.104 | 14.41 | 45.09 | 0.53 | 7.02 | 370.39 | 1.18 | 37.55 |
| 3.127 | 14.41 | 45.09 | 0.61 | 7.02 | 451.67 | 1.12 | 37.55 |
| 3.167 | 14.42 | 45.12 | 0.95 | 7.01 | 261.14 | 1.13 | 37.57 |
| 3.197 | 14.4  | 45.12 | 0.53 | 6.97 | 265.9  | 1.12 | 37.59 |
| 3.219 | 14.4  | 45.11 | 0.42 | 7.01 | 411.77 | 1.22 | 37.59 |
| 3.283 | 14.41 | 45.09 | 0.34 | 7.07 | 352.88 | 1.14 | 37.56 |
| 3.361 | 14.41 | 45.09 | 0.57 | 7.15 | 227.71 | 1.13 | 37.56 |
| 3.424 | 14.41 | 45.1  | 0.38 | 7.21 | 217.59 | 1.21 | 37.56 |
| 3.46  | 14.41 | 45.1  | 0.53 | 7.26 | 303.45 | 1.2  | 37.56 |
| 3.48  | 14.41 | 45.11 | 0.46 | 7.28 | 370.73 | 1.3  | 37.57 |
| 3.5   | 14.41 | 45.1  | 0.95 | 7.26 | 318.0  | 1.53 | 37.56 |
| 3.525 | 14.41 | 45.09 | 0.72 | 7.2  | 247.35 | 1.32 | 37.56 |
| 3.548 | 14.42 | 45.11 | 0.53 | 7.1  | 301.98 | 1.25 | 37.57 |
| 3.562 | 14.42 | 45.1  | 0.38 | 6.98 | 374.1  | 1.23 | 37.56 |
| 3.584 | 14.42 | 45.11 | 0.61 | 6.86 | 288.03 | 1.21 | 37.57 |
| 3.634 | 14.42 | 45.11 | 0.42 | 6.75 | 236.58 | 1.28 | 37.57 |
| 3.686 | 14.43 | 45.1  | 0.38 | 6.64 | 286.84 | 1.27 | 37.55 |
| 3.734 | 14.43 | 45.12 | 0.5  | 6.55 | 294.79 | 1.27 | 37.57 |
| 3.789 | 14.43 | 45.14 | 0.5  | 6.47 | 248.67 | 1.24 | 37.58 |
| 3.857 | 14.44 | 45.11 | 0.53 | 6.43 | 230.09 | 1.21 | 37.55 |
| 3.925 | 14.44 | 45.11 | 0.46 | 6.39 | 256.1  | 1.26 | 37.55 |
| 3.983 | 14.44 | 45.14 | 0.53 | 6.37 | 328.64 | 1.26 | 37.58 |
| 4.025 | 14.44 | 45.11 | 0.27 | 6.4  | 249.71 | 1.21 | 37.55 |
| 4.053 | 14.44 | 45.12 | 0.46 | 6.45 | 250.87 | 1.3  | 37.56 |
| 4.087 | 14.44 | 45.15 | 0.38 | 6.52 | 220.08 | 1.35 | 37.59 |
| 4.129 | 14.44 | 45.12 | 0.38 | 6.6  | 252.1  | 1.39 | 37.56 |
| 4.172 | 14.44 | 45.11 | 0.46 | 6.66 | 284.19 | 1.21 | 37.54 |
| 4.204 | 14.44 | 45.13 | 0.3  | 6.72 | 211.48 | 1.23 | 37.57 |
| 4.215 | 14.44 | 45.12 | 0.38 | 6.77 | 211.43 | 1.24 | 37.56 |
| 4.232 | 14.44 | 45.14 | 0.34 | 6.8  | 250.41 | 1.28 | 37.57 |
| 4.263 | 14.44 | 45.13 | 0.5  | 6.81 | 243.09 | 1.22 | 37.57 |
| 4.283 | 14.44 | 45.11 | 0.5  | 6.82 | 240.34 | 1.21 | 37.55 |
| 4.29  | 14.44 | 45.14 | 0.38 | 6.83 | 229.72 | 1.19 | 37.57 |
| 4.309 | 14.43 | 45.15 | 0.42 | 6.84 | 242.13 | 1.2  | 37.59 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.337 | 14.44 | 45.11 | 0.46 | 6.85 | 278.9  | 1.34 | 37.55 |
| 4.393 | 14.43 | 45.15 | 0.53 | 6.85 | 249.54 | 1.3  | 37.59 |
| 4.493 | 14.43 | 45.16 | 0.57 | 6.86 | 226.13 | 1.3  | 37.6  |
| 4.599 | 14.43 | 45.12 | 0.46 | 6.89 | 261.5  | 1.28 | 37.57 |
| 4.683 | 14.43 | 45.14 | 0.5  | 6.93 | 236.36 | 1.21 | 37.58 |
| 4.751 | 14.42 | 45.15 | 0.38 | 7.0  | 220.9  | 1.45 | 37.6  |
| 4.811 | 14.42 | 45.14 | 0.69 | 7.08 | 197.69 | 1.27 | 37.59 |
| 4.876 | 14.42 | 45.14 | 0.46 | 7.17 | 199.53 | 1.29 | 37.59 |
| 4.965 | 14.42 | 45.16 | 0.42 | 7.25 | 221.2  | 1.31 | 37.61 |
| 5.077 | 14.43 | 45.15 | 0.5  | 7.31 | 208.07 | 1.37 | 37.59 |
| 5.185 | 14.43 | 45.13 | 0.53 | 7.33 | 229.3  | 1.37 | 37.57 |
| 5.255 | 14.43 | 45.14 | 0.69 | 7.31 | 201.43 | 1.48 | 37.58 |
| 5.276 | 14.43 | 45.15 | 0.46 | 7.27 | 194.37 | 1.4  | 37.6  |
| 5.292 | 14.42 | 45.16 | 0.42 | 7.21 | 178.73 | 1.4  | 37.61 |
| 5.357 | 14.43 | 45.16 | 0.53 | 7.14 | 200.45 | 1.44 | 37.61 |
| 5.444 | 14.43 | 45.13 | 0.34 | 7.07 | 190.67 | 1.3  | 37.57 |
| 5.513 | 14.43 | 45.14 | 0.46 | 7.02 | 208.46 | 1.33 | 37.58 |
| 5.564 | 14.42 | 45.16 | 0.57 | 6.98 | 197.23 | 1.35 | 37.6  |
| 5.612 | 14.42 | 45.15 | 0.53 | 6.97 | 194.05 | 1.37 | 37.6  |
| 5.645 | 14.43 | 45.14 | 0.46 | 6.99 | 198.1  | 1.62 | 37.58 |
| 5.657 | 14.43 | 45.15 | 0.42 | 7.02 | 196.68 | 1.37 | 37.6  |
| 5.669 | 14.42 | 45.16 | 0.38 | 7.06 | 205.15 | 1.3  | 37.61 |
| 5.687 | 14.43 | 45.14 | 0.42 | 7.09 | 198.51 | 1.4  | 37.59 |
| 5.714 | 14.43 | 45.15 | 0.57 | 7.13 | 179.18 | 1.33 | 37.59 |
| 5.765 | 14.42 | 45.16 | 0.34 | 7.14 | 157.88 | 1.5  | 37.61 |
| 5.824 | 14.43 | 45.14 | 0.42 | 7.17 | 172.22 | 1.48 | 37.59 |
| 5.878 | 14.43 | 45.15 | 0.53 | 7.19 | 195.68 | 1.44 | 37.59 |
| 5.93  | 14.42 | 45.16 | 0.5  | 7.22 | 197.64 | 1.55 | 37.6  |
| 5.982 | 14.42 | 45.15 | 0.42 | 7.24 | 182.37 | 1.56 | 37.6  |
| 6.037 | 14.42 | 45.15 | 0.5  | 7.27 | 165.64 | 1.36 | 37.59 |
| 6.083 | 14.43 | 45.15 | 0.61 | 7.28 | 168.66 | 1.63 | 37.59 |
| 6.102 | 14.43 | 45.15 | 0.5  | 7.29 | 177.57 | 1.5  | 37.59 |
| 6.108 | 14.43 | 45.16 | 0.46 | 7.27 | 187.38 | 1.43 | 37.6  |
| 6.147 | 14.43 | 45.17 | 0.46 | 7.22 | 190.4  | 1.38 | 37.61 |
| 6.211 | 14.43 | 45.14 | 0.42 | 7.16 | 163.24 | 1.5  | 37.59 |
| 6.275 | 14.43 | 45.15 | 0.53 | 7.09 | 163.66 | 1.42 | 37.6  |
| 6.332 | 14.42 | 45.16 | 0.34 | 7.02 | 163.2  | 1.37 | 37.61 |
| 6.38  | 14.42 | 45.15 | 0.53 | 6.99 | 175.81 | 1.3  | 37.6  |
| 6.429 | 14.42 | 45.16 | 0.53 | 7.0  | 163.62 | 1.27 | 37.61 |
| 6.481 | 14.42 | 45.16 | 0.42 | 7.04 | 161.85 | 1.34 | 37.61 |
| 6.541 | 14.42 | 45.15 | 0.5  | 7.09 | 157.81 | 1.32 | 37.61 |
| 6.59  | 14.42 | 45.15 | 0.3  | 7.16 | 155.67 | 1.31 | 37.6  |
| 6.646 | 14.42 | 45.17 | 0.46 | 7.23 | 155.81 | 1.27 | 37.62 |
| 6.72  | 14.42 | 45.16 | 0.53 | 7.28 | 162.11 | 1.27 | 37.62 |
| 6.776 | 14.41 | 45.15 | 0.3  | 7.31 | 167.19 | 1.21 | 37.61 |
| 6.808 | 14.4  | 45.16 | 0.46 | 7.3  | 160.28 | 1.21 | 37.63 |
| 6.839 | 14.4  | 45.17 | 0.38 | 7.29 | 153.98 | 1.46 | 37.64 |
| 6.898 | 14.38 | 45.16 | 0.65 | 7.29 | 149.48 | 1.33 | 37.65 |
| 6.982 | 14.37 | 45.17 | 0.42 | 7.31 | 146.05 | 1.21 | 37.67 |
| 7.039 | 14.36 | 45.16 | 0.46 | 7.34 | 158.32 | 1.14 | 37.67 |
| 7.054 | 14.35 | 45.16 | 0.5  | 7.39 | 160.06 | 1.37 | 37.68 |
| 7.058 | 14.35 | 45.17 | 0.42 | 7.42 | 167.3  | 1.35 | 37.68 |
| 7.105 | 14.35 | 45.17 | 0.5  | 7.44 | 165.91 | 1.18 | 37.69 |
| 7.26  | 14.33 | 45.16 | 0.46 | 7.45 | 155.23 | 1.03 | 37.7  |
| 7.437 | 14.32 | 45.16 | 0.42 | 7.43 | 99.02  | 0.79 | 37.71 |
| 7.528 | 14.31 | 45.16 | 0.53 | 7.4  | 142.64 | 0.69 | 37.72 |
| 7.536 | 14.29 | 45.27 | 0.42 | 7.29 | 144.87 | 0.85 | 37.84 |
| 7.571 | 14.27 | 45.42 | 0.46 | 7.24 | 148.72 | 1.07 | 38.01 |

|        |       |       |      |      |        |      |       |
|--------|-------|-------|------|------|--------|------|-------|
| 7.641  | 14.25 | 45.57 | 0.57 | 7.22 | 141.1  | 0.89 | 38.16 |
| 7.728  | 14.25 | 45.58 | 0.46 | 7.24 | 144.57 | 0.8  | 38.17 |
| 7.794  | 14.24 | 45.54 | 0.46 | 7.28 | 142.41 | 0.74 | 38.14 |
| 7.84   | 14.24 | 45.58 | 0.34 | 7.35 | 143.8  | 0.79 | 38.18 |
| 7.875  | 14.22 | 45.68 | 0.5  | 7.41 | 144.34 | 0.9  | 38.3  |
| 7.898  | 14.17 | 45.9  | 0.53 | 7.45 | 141.0  | 0.75 | 38.56 |
| 7.927  | 14.11 | 46.35 | 0.46 | 7.48 | 144.3  | 0.73 | 39.03 |
| 7.975  | 14.07 | 46.61 | 0.76 | 7.49 | 141.95 | 0.69 | 39.33 |
| 8.025  | 14.04 | 46.76 | 0.72 | 7.47 | 144.34 | 0.89 | 39.5  |
| 8.081  | 14.02 | 46.88 | 0.53 | 7.44 | 138.76 | 0.95 | 39.64 |
| 8.14   | 14.01 | 47.01 | 0.53 | 7.41 | 136.05 | 1.25 | 39.77 |
| 8.19   | 14.01 | 47.09 | 0.65 | 7.4  | 134.46 | 0.76 | 39.85 |
| 8.234  | 14.0  | 47.18 | 0.65 | 7.42 | 134.99 | 0.66 | 39.94 |
| 8.28   | 14.0  | 47.23 | 0.72 | 7.44 | 131.25 | 0.63 | 39.99 |
| 8.318  | 13.99 | 47.28 | 0.57 | 7.48 | 129.77 | 0.72 | 40.04 |
| 8.35   | 14.0  | 47.33 | 0.57 | 7.53 | 126.07 | 0.66 | 40.09 |
| 8.393  | 14.0  | 47.39 | 0.61 | 7.59 | 126.92 | 0.58 | 40.14 |
| 8.449  | 14.0  | 47.42 | 0.69 | 7.64 | 121.59 | 0.54 | 40.16 |
| 8.514  | 14.01 | 47.47 | 0.65 | 7.68 | 126.09 | 0.73 | 40.2  |
| 8.581  | 14.02 | 47.51 | 0.8  | 7.72 | 128.48 | 0.57 | 40.23 |
| 8.653  | 14.03 | 47.56 | 0.76 | 7.76 | 119.41 | 0.5  | 40.27 |
| 8.713  | 14.04 | 47.59 | 0.65 | 7.8  | 124.41 | 0.5  | 40.29 |
| 8.748  | 14.05 | 47.62 | 0.69 | 7.85 | 117.03 | 0.47 | 40.31 |
| 8.763  | 14.06 | 47.64 | 0.65 | 7.9  | 120.16 | 0.41 | 40.32 |
| 8.781  | 14.06 | 47.66 | 0.76 | 7.94 | 116.84 | 0.49 | 40.33 |
| 8.823  | 14.06 | 47.66 | 0.65 | 7.96 | 122.3  | 0.56 | 40.33 |
| 8.903  | 14.06 | 47.68 | 0.65 | 7.96 | 113.13 | 0.48 | 40.35 |
| 8.994  | 14.07 | 47.7  | 0.65 | 7.94 | 122.13 | 0.43 | 40.37 |
| 9.063  | 14.07 | 47.72 | 0.65 | 7.91 | 113.45 | 0.44 | 40.39 |
| 9.097  | 14.07 | 47.74 | 0.72 | 7.86 | 112.14 | 0.43 | 40.4  |
| 9.118  | 14.07 | 47.75 | 0.84 | 7.8  | 111.03 | 0.42 | 40.41 |
| 9.165  | 14.06 | 47.75 | 0.61 | 7.74 | 113.53 | 0.4  | 40.42 |
| 9.244  | 14.06 | 47.76 | 0.61 | 7.68 | 106.86 | 0.45 | 40.42 |
| 9.321  | 14.06 | 47.76 | 0.72 | 7.62 | 112.04 | 0.43 | 40.43 |
| 9.376  | 14.06 | 47.77 | 0.76 | 7.58 | 108.03 | 0.41 | 40.44 |
| 9.424  | 14.06 | 47.77 | 0.8  | 7.53 | 109.01 | 0.39 | 40.44 |
| 9.484  | 14.06 | 47.78 | 0.8  | 7.48 | 111.36 | 0.4  | 40.45 |
| 9.542  | 14.06 | 47.78 | 0.69 | 7.44 | 106.64 | 0.37 | 40.45 |
| 9.587  | 14.06 | 47.78 | 0.69 | 7.41 | 107.01 | 0.42 | 40.45 |
| 9.638  | 14.06 | 47.78 | 0.72 | 7.38 | 101.9  | 0.38 | 40.45 |
| 9.693  | 14.06 | 47.78 | 0.76 | 7.35 | 104.41 | 0.42 | 40.46 |
| 9.729  | 14.06 | 47.78 | 0.8  | 7.32 | 106.0  | 0.43 | 40.46 |
| 9.757  | 14.06 | 47.78 | 0.84 | 7.3  | 105.63 | 0.44 | 40.46 |
| 9.803  | 14.06 | 47.78 | 0.88 | 7.28 | 102.83 | 0.4  | 40.46 |
| 9.898  | 14.06 | 47.78 | 0.99 | 7.25 | 96.5   | 0.4  | 40.46 |
| 9.971  | 14.06 | 47.79 | 1.22 | 7.25 | 89.31  | 0.37 | 40.46 |
| 9.994  | 14.06 | 47.79 | 1.11 | 7.25 | 89.04  | 0.33 | 40.46 |
| 9.997  | 14.06 | 47.78 | 1.14 | 7.27 | 95.43  | 0.36 | 40.46 |
| 10.001 | 14.06 | 47.78 | 1.03 | 7.28 | 89.46  | 0.39 | 40.46 |
| 10.005 | 14.06 | 47.78 | 0.99 | 7.31 | 95.06  | 0.41 | 40.46 |
| 10.012 | 14.06 | 47.78 | 0.95 | 7.33 | 94.99  | 0.4  | 40.46 |
| 10.018 | 14.06 | 47.78 | 1.07 | 7.36 | 95.52  | 0.36 | 40.46 |
| 10.025 | 14.06 | 47.78 | 1.03 | 7.37 | 97.47  | 0.33 | 40.46 |
| 10.03  | 14.06 | 47.78 | 1.18 | 7.38 | 98.06  | 0.39 | 40.46 |
| 10.033 | 14.06 | 47.78 | 0.95 | 7.38 | 95.72  | 0.38 | 40.46 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.18      | 49.07               | 0.42           | 6.38           | 91.28                       | 0.43              | 42.62           |
| PROF (metros)                                                                | 0.804      | 0.709               | 0.709          | 1.075          | 0.786                       | 1.201             | 0.709           |
| MÁXIMO                                                                       | 13.6       | 13.6                | 1.53           | 8.36           | 494.75                      | 0.59              | 43.38           |
| PROF (metros)                                                                | 5.108      | 5.093               | 1.361          | 4.897          | 2.083                       | 4.294             | 4.634           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E04 - Punto 008                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.19      | 49.09               | 0.74           | 6.71           | 103.36                      | 0.47              | 42.67           |
| 1 - 2m                                                     | 13.24      | 49.23               | 0.73           | 6.7            | 136.25                      | 0.49              | 42.76           |
| 2 - 3m                                                     | 13.46      | 49.8                | 0.7            | 7.01           | 341.75                      | 0.52              | 43.05           |
| 3 - 4m                                                     | 13.56      | 50.19               | 0.75           | 7.82           | 360.8                       | 0.53              | 43.33           |
| 4 - 5m                                                     | 13.58      | 50.24               | 0.63           | 8.28           | 271.05                      | 0.55              | 43.35           |
| 5 - 6m                                                     | 13.6       | 50.28               | 0.56           | 8.33           | 225.46                      | 0.54              | 43.37           |

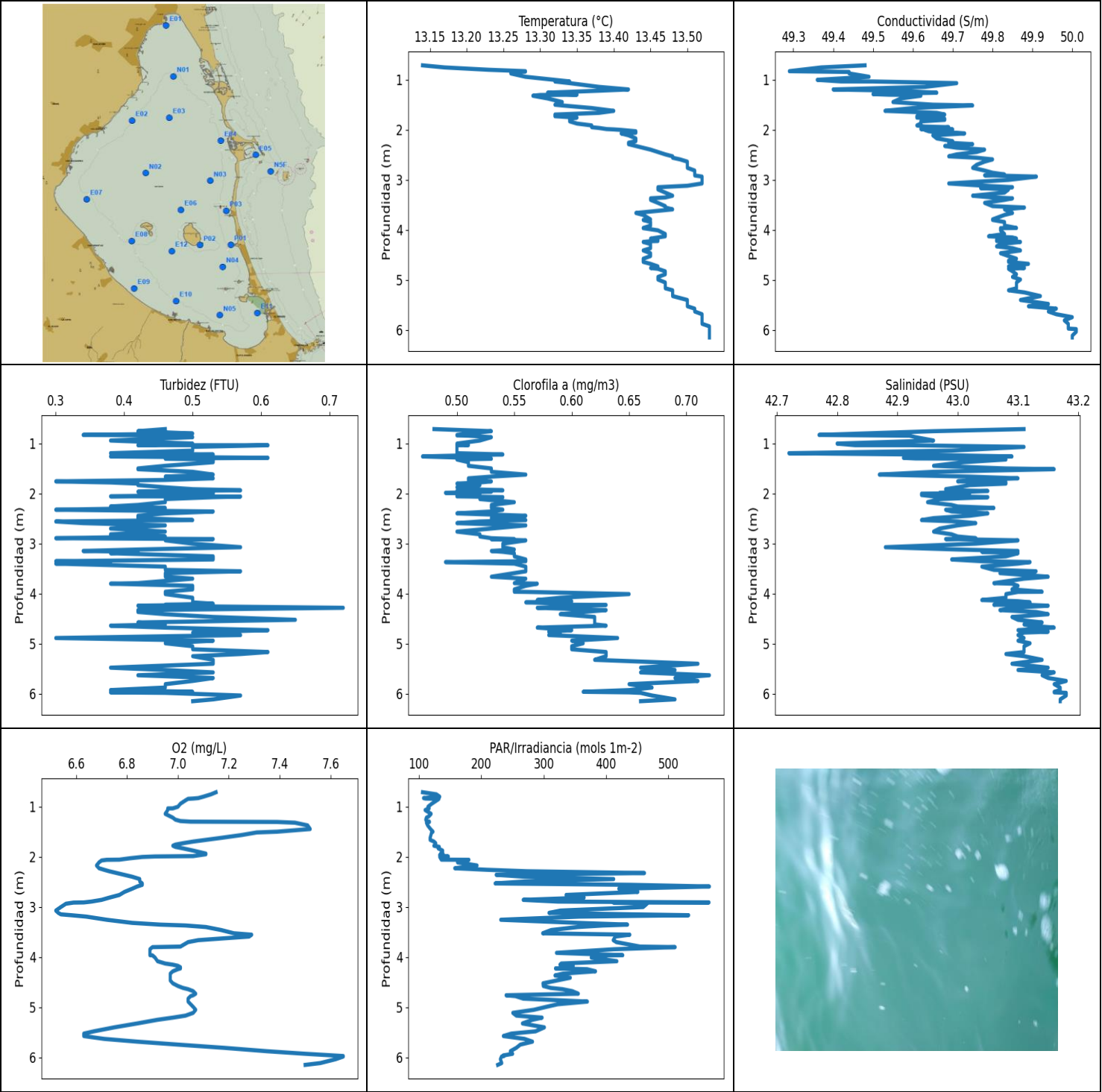
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.709                                                          | 13.22      | 49.07               | 0.42           | 6.68           | 99.06                       | 0.46              | 42.62           |
| 0.747                                                          | 13.2       | 49.09               | 0.88           | 6.79           | 105.0                       | 0.48              | 42.66           |
| 0.753                                                          | 13.2       | 49.08               | 0.65           | 6.84           | 99.04                       | 0.46              | 42.65           |
| 0.786                                                          | 13.21      | 49.07               | 0.8            | 6.9            | 91.28                       | 0.44              | 42.64           |
| 0.793                                                          | 13.2       | 49.1                | 0.76           | 7.1            | 106.99                      | 0.47              | 42.67           |
| 0.804                                                          | 13.18      | 49.1                | 0.72           | 6.79           | 108.86                      | 0.47              | 42.68           |
| 0.828                                                          | 13.19      | 49.08               | 0.61           | 6.76           | 101.5                       | 0.48              | 42.67           |
| 0.869                                                          | 13.18      | 49.12               | 0.95           | 6.68           | 106.91                      | 0.49              | 42.71           |
| 0.883                                                          | 13.18      | 49.09               | 0.72           | 6.63           | 99.92                       | 0.5               | 42.68           |
| 0.913                                                          | 13.19      | 49.08               | 0.65           | 6.59           | 101.97                      | 0.48              | 42.66           |
| 0.931                                                          | 13.19      | 49.08               | 0.69           | 6.53           | 96.23                       | 0.48              | 42.66           |
| 0.954                                                          | 13.19      | 49.12               | 0.92           | 6.48           | 115.38                      | 0.47              | 42.7            |
| 0.976                                                          | 13.18      | 49.09               | 0.8            | 6.44           | 111.49                      | 0.44              | 42.68           |
| 1.005                                                          | 13.19      | 49.12               | 0.84           | 6.41           | 92.32                       | 0.47              | 42.7            |
| 1.044                                                          | 13.19      | 49.1                | 0.84           | 6.39           | 99.34                       | 0.47              | 42.68           |
| 1.075                                                          | 13.2       | 49.1                | 0.72           | 6.38           | 115.25                      | 0.46              | 42.67           |
| 1.09                                                           | 13.2       | 49.11               | 0.5            | 6.38           | 117.62                      | 0.45              | 42.68           |
| 1.093                                                          | 13.2       | 49.13               | 0.46           | 6.39           | 104.75                      | 0.48              | 42.69           |
| 1.118                                                          | 13.21      | 49.17               | 0.8            | 6.42           | 108.21                      | 0.47              | 42.73           |
| 1.179                                                          | 13.22      | 49.12               | 0.72           | 6.47           | 104.0                       | 0.49              | 42.66           |
| 1.201                                                          | 13.22      | 49.24               | 0.53           | 6.71           | 120.94                      | 0.43              | 42.78           |
| 1.228                                                          | 13.23      | 49.17               | 0.61           | 6.75           | 105.14                      | 0.49              | 42.7            |
| 1.258                                                          | 13.21      | 49.23               | 0.5            | 6.77           | 106.99                      | 0.44              | 42.79           |
| 1.271                                                          | 13.23      | 49.16               | 0.42           | 6.76           | 107.21                      | 0.43              | 42.7            |
| 1.293                                                          | 13.24      | 49.14               | 0.76           | 6.76           | 113.5                       | 0.46              | 42.66           |
| 1.297                                                          | 13.21      | 49.19               | 0.42           | 6.8            | 113.79                      | 0.44              | 42.74           |
| 1.301                                                          | 13.21      | 49.22               | 0.53           | 6.81           | 109.9                       | 0.49              | 42.78           |
| 1.325                                                          | 13.22      | 49.17               | 0.88           | 6.83           | 114.4                       | 0.51              | 42.72           |
| 1.329                                                          | 13.21      | 49.19               | 1.41           | 6.84           | 115.97                      | 0.47              | 42.74           |
| 1.335                                                          | 13.22      | 49.22               | 1.49           | 6.81           | 109.6                       | 0.49              | 42.76           |
| 1.361                                                          | 13.23      | 49.23               | 1.53           | 6.78           | 111.73                      | 0.48              | 42.77           |
| 1.383                                                          | 13.23      | 49.17               | 1.18           | 6.75           | 115.76                      | 0.5               | 42.71           |
| 1.397                                                          | 13.23      | 49.21               | 1.03           | 6.72           | 116.0                       | 0.47              | 42.74           |
| 1.42                                                           | 13.22      | 49.26               | 0.84           | 6.68           | 111.75                      | 0.47              | 42.8            |
| 1.437                                                          | 13.24      | 49.26               | 0.92           | 6.57           | 117.11                      | 0.5               | 42.78           |
| 1.454                                                          | 13.24      | 49.26               | 0.72           | 6.56           | 118.8                       | 0.5               | 42.79           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.494 | 13.24 | 49.2  | 0.76 | 6.6  | 125.05 | 0.5  | 42.72 |
| 1.54  | 13.25 | 49.25 | 0.61 | 6.64 | 126.92 | 0.53 | 42.76 |
| 1.546 | 13.24 | 49.31 | 0.53 | 6.88 | 153.02 | 0.51 | 42.83 |
| 1.565 | 13.25 | 49.25 | 0.53 | 6.91 | 154.23 | 0.56 | 42.75 |
| 1.602 | 13.27 | 49.23 | 0.53 | 6.93 | 124.38 | 0.5  | 42.72 |
| 1.605 | 13.26 | 49.37 | 0.5  | 6.86 | 144.27 | 0.49 | 42.86 |
| 1.644 | 13.28 | 49.34 | 0.57 | 6.83 | 193.47 | 0.53 | 42.82 |
| 1.703 | 13.3  | 49.24 | 0.61 | 6.79 | 171.11 | 0.54 | 42.69 |
| 1.746 | 13.31 | 49.3  | 0.53 | 6.77 | 161.47 | 0.52 | 42.74 |
| 1.786 | 13.27 | 49.39 | 0.69 | 6.75 | 166.57 | 0.53 | 42.87 |
| 1.828 | 13.27 | 49.33 | 0.53 | 6.74 | 152.84 | 0.52 | 42.81 |
| 1.858 | 13.28 | 49.32 | 0.46 | 6.75 | 201.99 | 0.5  | 42.8  |
| 1.901 | 13.28 | 49.44 | 0.88 | 6.79 | 361.57 | 0.49 | 42.92 |
| 1.979 | 13.3  | 49.44 | 0.65 | 6.84 | 254.21 | 0.52 | 42.9  |
| 2.06  | 13.35 | 49.31 | 0.42 | 6.91 | 210.99 | 0.51 | 42.71 |
| 2.083 | 13.33 | 49.49 | 0.65 | 7.11 | 494.75 | 0.49 | 42.9  |
| 2.099 | 13.36 | 49.48 | 0.61 | 7.15 | 393.31 | 0.48 | 42.86 |
| 2.142 | 13.37 | 49.4  | 0.57 | 7.19 | 402.43 | 0.49 | 42.77 |
| 2.191 | 13.38 | 49.46 | 0.53 | 7.21 | 249.02 | 0.55 | 42.82 |
| 2.214 | 13.35 | 49.58 | 0.57 | 7.19 | 278.51 | 0.51 | 42.97 |
| 2.222 | 13.37 | 49.55 | 0.57 | 7.13 | 362.83 | 0.52 | 42.92 |
| 2.28  | 13.39 | 49.59 | 0.53 | 7.06 | 368.16 | 0.51 | 42.93 |
| 2.361 | 13.42 | 49.55 | 0.84 | 6.99 | 299.4  | 0.51 | 42.86 |
| 2.428 | 13.44 | 49.51 | 0.65 | 6.94 | 308.27 | 0.53 | 42.8  |
| 2.475 | 13.46 | 49.64 | 0.57 | 6.89 | 261.68 | 0.53 | 42.9  |
| 2.497 | 13.46 | 49.64 | 0.76 | 6.87 | 365.19 | 0.5  | 42.9  |
| 2.509 | 13.47 | 49.75 | 1.03 | 6.85 | 348.24 | 0.5  | 43.0  |
| 2.533 | 13.49 | 49.78 | 0.69 | 6.83 | 312.37 | 0.56 | 43.01 |
| 2.566 | 13.5  | 49.87 | 0.8  | 6.82 | 367.91 | 0.51 | 43.09 |
| 2.611 | 13.54 | 50.08 | 0.72 | 6.73 | 339.4  | 0.51 | 43.25 |
| 2.626 | 13.54 | 50.11 | 0.57 | 6.73 | 396.05 | 0.53 | 43.27 |
| 2.691 | 13.54 | 50.13 | 0.69 | 6.93 | 285.38 | 0.51 | 43.28 |
| 2.73  | 13.54 | 50.13 | 0.88 | 6.99 | 288.97 | 0.55 | 43.28 |
| 2.776 | 13.54 | 50.13 | 0.88 | 7.03 | 422.8  | 0.5  | 43.28 |
| 2.809 | 13.54 | 50.12 | 0.72 | 7.07 | 407.41 | 0.49 | 43.28 |
| 2.817 | 13.54 | 50.14 | 0.92 | 7.11 | 311.51 | 0.51 | 43.3  |
| 2.828 | 13.55 | 50.15 | 0.92 | 7.14 | 414.26 | 0.53 | 43.3  |
| 2.872 | 13.55 | 50.15 | 0.72 | 7.19 | 376.19 | 0.57 | 43.31 |
| 2.936 | 13.55 | 50.15 | 0.69 | 7.22 | 278.84 | 0.53 | 43.3  |
| 3.009 | 13.55 | 50.16 | 0.57 | 7.27 | 394.22 | 0.53 | 43.31 |
| 3.055 | 13.55 | 50.15 | 0.65 | 7.33 | 433.92 | 0.52 | 43.3  |
| 3.059 | 13.55 | 50.17 | 0.57 | 7.5  | 301.91 | 0.5  | 43.31 |
| 3.064 | 13.55 | 50.17 | 0.95 | 7.59 | 400.67 | 0.5  | 43.31 |
| 3.087 | 13.55 | 50.17 | 0.76 | 7.66 | 349.86 | 0.51 | 43.31 |
| 3.127 | 13.56 | 50.18 | 1.11 | 7.88 | 376.62 | 0.53 | 43.32 |
| 3.192 | 13.56 | 50.18 | 0.8  | 7.9  | 356.74 | 0.56 | 43.32 |
| 3.291 | 13.56 | 50.18 | 0.53 | 7.89 | 331.78 | 0.53 | 43.32 |
| 3.315 | 13.56 | 50.19 | 1.18 | 7.9  | 372.89 | 0.47 | 43.33 |
| 3.355 | 13.56 | 50.19 | 0.99 | 7.88 | 458.32 | 0.51 | 43.33 |
| 3.439 | 13.56 | 50.19 | 0.65 | 7.85 | 476.84 | 0.5  | 43.33 |
| 3.486 | 13.56 | 50.2  | 0.99 | 7.83 | 376.71 | 0.52 | 43.33 |
| 3.49  | 13.56 | 50.2  | 1.03 | 7.85 | 283.92 | 0.53 | 43.33 |
| 3.542 | 13.56 | 50.2  | 0.8  | 7.85 | 345.59 | 0.51 | 43.33 |
| 3.617 | 13.56 | 50.2  | 0.65 | 7.86 | 469.17 | 0.54 | 43.33 |
| 3.687 | 13.56 | 50.2  | 0.65 | 7.88 | 345.99 | 0.56 | 43.34 |
| 3.746 | 13.56 | 50.21 | 0.61 | 7.89 | 253.15 | 0.52 | 43.34 |
| 3.796 | 13.57 | 50.22 | 0.57 | 7.91 | 252.15 | 0.55 | 43.34 |
| 3.851 | 13.57 | 50.22 | 0.53 | 7.93 | 240.51 | 0.57 | 43.34 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.914 | 13.57 | 50.22 | 0.46 | 7.96 | 320.51 | 0.54 | 43.34 |
| 3.959 | 13.57 | 50.22 | 0.57 | 8.02 | 436.04 | 0.54 | 43.34 |
| 3.979 | 13.57 | 50.22 | 0.69 | 8.08 | 380.22 | 0.55 | 43.34 |
| 3.99  | 13.57 | 50.22 | 0.84 | 8.14 | 340.66 | 0.57 | 43.34 |
| 4.01  | 13.57 | 50.22 | 0.69 | 8.18 | 259.81 | 0.55 | 43.34 |
| 4.033 | 13.57 | 50.22 | 0.88 | 8.22 | 314.55 | 0.56 | 43.34 |
| 4.053 | 13.57 | 50.22 | 0.65 | 8.24 | 302.19 | 0.55 | 43.34 |
| 4.082 | 13.57 | 50.22 | 0.61 | 8.26 | 272.39 | 0.57 | 43.35 |
| 4.12  | 13.57 | 50.22 | 0.76 | 8.28 | 247.87 | 0.56 | 43.35 |
| 4.157 | 13.57 | 50.22 | 0.72 | 8.29 | 265.84 | 0.55 | 43.35 |
| 4.197 | 13.57 | 50.22 | 0.72 | 8.29 | 300.44 | 0.54 | 43.35 |
| 4.228 | 13.57 | 50.22 | 0.65 | 8.3  | 339.01 | 0.56 | 43.35 |
| 4.254 | 13.57 | 50.22 | 0.61 | 8.3  | 318.44 | 0.56 | 43.35 |
| 4.294 | 13.57 | 50.22 | 0.57 | 8.29 | 275.5  | 0.59 | 43.35 |
| 4.342 | 13.57 | 50.22 | 0.57 | 8.28 | 246.95 | 0.56 | 43.35 |
| 4.385 | 13.57 | 50.23 | 0.5  | 8.26 | 226.02 | 0.57 | 43.35 |
| 4.43  | 13.57 | 50.23 | 0.65 | 8.25 | 217.34 | 0.57 | 43.35 |
| 4.461 | 13.57 | 50.23 | 0.65 | 8.23 | 294.45 | 0.56 | 43.36 |
| 4.486 | 13.57 | 50.23 | 0.53 | 8.23 | 359.73 | 0.53 | 43.35 |
| 4.54  | 13.57 | 50.24 | 0.61 | 8.23 | 295.95 | 0.54 | 43.36 |
| 4.634 | 13.58 | 50.26 | 0.69 | 8.25 | 255.45 | 0.54 | 43.38 |
| 4.74  | 13.58 | 50.27 | 0.53 | 8.27 | 220.69 | 0.54 | 43.37 |
| 4.811 | 13.59 | 50.27 | 0.61 | 8.3  | 214.54 | 0.57 | 43.37 |
| 4.845 | 13.59 | 50.27 | 0.65 | 8.32 | 221.61 | 0.55 | 43.36 |
| 4.864 | 13.59 | 50.27 | 0.61 | 8.35 | 254.74 | 0.5  | 43.36 |
| 4.897 | 13.59 | 50.27 | 0.57 | 8.36 | 255.33 | 0.54 | 43.36 |
| 4.955 | 13.59 | 50.27 | 0.53 | 8.36 | 275.31 | 0.54 | 43.36 |
| 5.02  | 13.59 | 50.27 | 0.5  | 8.36 | 230.79 | 0.5  | 43.36 |
| 5.066 | 13.59 | 50.27 | 0.61 | 8.35 | 200.41 | 0.5  | 43.36 |
| 5.086 | 13.59 | 50.27 | 0.46 | 8.34 | 185.91 | 0.51 | 43.37 |
| 5.093 | 13.59 | 50.28 | 0.46 | 8.33 | 208.36 | 0.56 | 43.37 |
| 5.108 | 13.6  | 50.28 | 0.57 | 8.32 | 239.79 | 0.56 | 43.37 |
| 5.163 | 13.6  | 50.28 | 0.76 | 8.32 | 255.39 | 0.57 | 43.37 |
| 5.212 | 13.6  | 50.28 | 0.57 | 8.32 | 243.37 | 0.54 | 43.37 |
| 5.23  | 13.6  | 50.28 | 0.53 | 8.32 | 239.62 | 0.54 | 43.37 |



| 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                                                                       | 13.14      | 49.29               | 0.31           | 6.52           | 105.41                      | 0.47              | 42.72           |
| PROF (metros)                                                                | 0.712      | 0.829               | 1.757          | 3.073          | 0.712                       | 1.259             | 1.194           |
| MÁXIMO                                                                       | 13.53      | 13.53               | 0.73           | 7.65           | 566.19                      | 0.72              | 43.18           |
| PROF (metros)                                                                | 5.929      | 5.984               | 4.284          | 5.974          | 2.592                       | 5.632             | 5.746           |

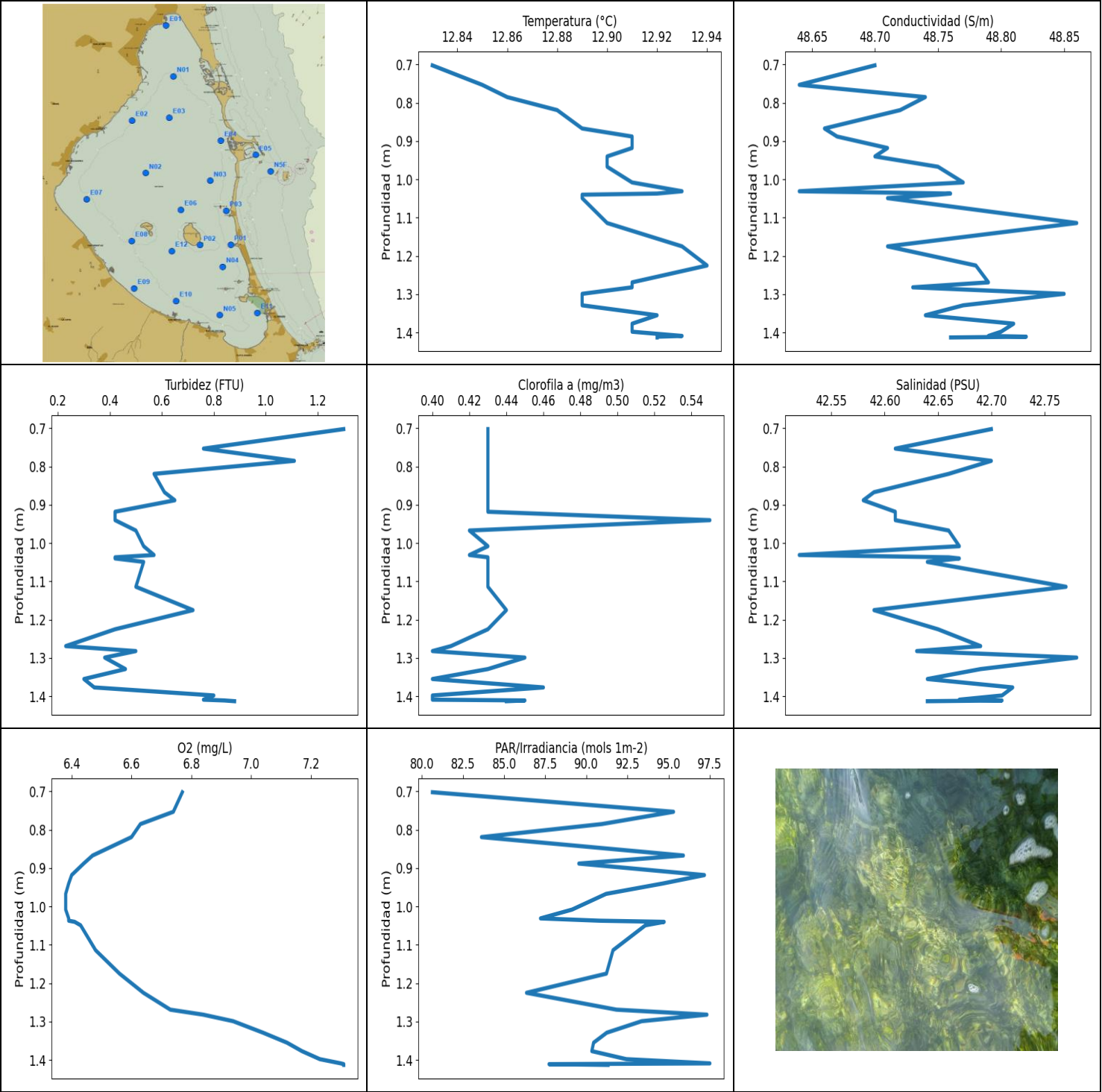
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N03 - Punto 009                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.24      | 49.4                | 0.44           | 7.08           | 120.5                       | 0.51              | 42.92           |
| 1 - 2m                                                     | 13.35      | 49.6                | 0.47           | 7.11           | 122.57                      | 0.51              | 42.99           |
| 2 - 3m                                                     | 13.46      | 49.74               | 0.44           | 6.75           | 304.42                      | 0.53              | 42.99           |
| 3 - 4m                                                     | 13.46      | 49.81               | 0.45           | 6.89           | 392.15                      | 0.55              | 43.07           |
| 4 - 5m                                                     | 13.45      | 49.84               | 0.49           | 7.01           | 329.14                      | 0.6               | 43.11           |
| 5 - 6m                                                     | 13.5       | 49.93               | 0.48           | 7.06           | 261.98                      | 0.65              | 43.14           |
| 6 - 7m                                                     | 13.53      | 50.0                | 0.53           | 7.56           | 229.76                      | 0.67              | 43.17           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.712                                                          | 13.14      | 49.48               | 0.46           | 7.15           | 105.41                      | 0.48              | 43.11           |
| 0.754                                                          | 13.17      | 49.37               | 0.42           | 7.13           | 127.74                      | 0.53              | 42.96           |
| 0.801                                                          | 13.23      | 49.32               | 0.5            | 7.1            | 133.09                      | 0.51              | 42.84           |
| 0.829                                                          | 13.28      | 49.29               | 0.34           | 7.08           | 107.01                      | 0.5               | 42.77           |
| 0.838                                                          | 13.28      | 49.39               | 0.46           | 7.06           | 110.13                      | 0.5               | 42.87           |
| 0.844                                                          | 13.27      | 49.44               | 0.46           | 7.04           | 131.83                      | 0.51              | 42.92           |
| 0.874                                                          | 13.26      | 49.44               | 0.5            | 7.03           | 128.45                      | 0.53              | 42.93           |
| 0.941                                                          | 13.28      | 49.49               | 0.38           | 7.01           | 120.33                      | 0.52              | 42.96           |
| 1.002                                                          | 13.32      | 49.36               | 0.5            | 7.0            | 114.13                      | 0.5               | 42.8            |
| 1.034                                                          | 13.34      | 49.42               | 0.42           | 6.98           | 114.24                      | 0.51              | 42.83           |
| 1.035                                                          | 13.32      | 49.5                | 0.61           | 6.96           | 116.08                      | 0.5               | 42.92           |
| 1.068                                                          | 13.34      | 49.71               | 0.5            | 6.96           | 109.57                      | 0.5               | 43.11           |
| 1.143                                                          | 13.38      | 49.63               | 0.5            | 6.95           | 119.27                      | 0.5               | 42.99           |
| 1.194                                                          | 13.42      | 49.4                | 0.38           | 6.97           | 115.54                      | 0.5               | 42.72           |
| 1.219                                                          | 13.38      | 49.56               | 0.53           | 6.98           | 111.65                      | 0.54              | 42.92           |
| 1.259                                                          | 13.31      | 49.66               | 0.38           | 6.99           | 110.62                      | 0.47              | 43.09           |
| 1.287                                                          | 13.33      | 49.5                | 0.61           | 7.01           | 111.8                       | 0.51              | 42.91           |
| 1.299                                                          | 13.35      | 49.54               | 0.46           | 7.05           | 116.51                      | 0.5               | 42.93           |
| 1.305                                                          | 13.3       | 49.62               | 0.46           | 7.39           | 116.59                      | 0.53              | 43.06           |
| 1.32                                                           | 13.29      | 49.62               | 0.53           | 7.46           | 111.7                       | 0.5               | 43.08           |
| 1.374                                                          | 13.31      | 49.57               | 0.53           | 7.51           | 113.71                      | 0.51              | 43.01           |
| 1.446                                                          | 13.33      | 49.55               | 0.46           | 7.52           | 118.28                      | 0.51              | 42.96           |
| 1.499                                                          | 13.32      | 49.65               | 0.42           | 7.39           | 122.27                      | 0.53              | 43.08           |
| 1.514                                                          | 13.33      | 49.75               | 0.42           | 7.31           | 119.94                      | 0.53              | 43.16           |
| 1.566                                                          | 13.37      | 49.6                | 0.5            | 7.25           | 118.94                      | 0.53              | 42.96           |
| 1.622                                                          | 13.4       | 49.53               | 0.53           | 7.17           | 117.62                      | 0.56              | 42.87           |
| 1.662                                                          | 13.38      | 49.66               | 0.46           | 7.11           | 117.62                      | 0.53              | 43.02           |
| 1.696                                                          | 13.32      | 49.68               | 0.53           | 7.06           | 123.84                      | 0.51              | 43.1            |
| 1.729                                                          | 13.32      | 49.61               | 0.46           | 7.02           | 126.68                      | 0.51              | 43.03           |
| 1.757                                                          | 13.35      | 49.61               | 0.3            | 6.99           | 126.36                      | 0.53              | 43.0            |
| 1.779                                                          | 13.34      | 49.68               | 0.38           | 6.98           | 123.66                      | 0.52              | 43.08           |
| 1.802                                                          | 13.34      | 49.68               | 0.42           | 6.99           | 132.38                      | 0.5               | 43.08           |
| 1.832                                                          | 13.34      | 49.62               | 0.42           | 7.02           | 130.62                      | 0.52              | 43.02           |
| 1.876                                                          | 13.35      | 49.62               | 0.46           | 7.06           | 137.77                      | 0.5               | 43.0            |
| 1.913                                                          | 13.37      | 49.61               | 0.5            | 7.09           | 137.48                      | 0.51              | 42.98           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.936 | 13.37 | 49.63 | 0.57 | 7.11 | 134.61 | 0.54 | 42.99 |
| 1.949 | 13.37 | 49.69 | 0.46 | 7.11 | 138.66 | 0.5  | 43.05 |
| 1.964 | 13.38 | 49.67 | 0.42 | 7.09 | 132.91 | 0.53 | 43.02 |
| 1.986 | 13.39 | 49.62 | 0.53 | 7.06 | 134.33 | 0.49 | 42.97 |
| 1.993 | 13.4  | 49.7  | 0.53 | 6.91 | 146.9  | 0.5  | 43.02 |
| 2.003 | 13.41 | 49.63 | 0.53 | 6.86 | 133.06 | 0.52 | 42.94 |
| 2.03  | 13.43 | 49.64 | 0.53 | 6.81 | 134.36 | 0.5  | 42.94 |
| 2.057 | 13.43 | 49.67 | 0.38 | 6.77 | 135.64 | 0.5  | 42.96 |
| 2.06  | 13.43 | 49.71 | 0.57 | 6.72 | 179.93 | 0.51 | 43.01 |
| 2.073 | 13.41 | 49.73 | 0.53 | 6.7  | 172.1  | 0.54 | 43.05 |
| 2.111 | 13.42 | 49.65 | 0.46 | 6.69 | 161.62 | 0.52 | 42.97 |
| 2.173 | 13.43 | 49.66 | 0.46 | 6.68 | 193.02 | 0.55 | 42.95 |
| 2.228 | 13.43 | 49.7  | 0.42 | 6.69 | 157.19 | 0.53 | 42.99 |
| 2.259 | 13.42 | 49.69 | 0.38 | 6.71 | 209.24 | 0.53 | 43.0  |
| 2.288 | 13.42 | 49.75 | 0.46 | 6.73 | 273.14 | 0.53 | 43.06 |
| 2.324 | 13.43 | 49.68 | 0.3  | 6.76 | 461.94 | 0.54 | 42.98 |
| 2.359 | 13.44 | 49.71 | 0.53 | 6.79 | 223.68 | 0.53 | 42.99 |
| 2.397 | 13.45 | 49.78 | 0.46 | 6.82 | 268.62 | 0.5  | 43.05 |
| 2.444 | 13.46 | 49.76 | 0.42 | 6.85 | 412.44 | 0.56 | 43.02 |
| 2.492 | 13.47 | 49.71 | 0.42 | 6.85 | 269.37 | 0.53 | 42.96 |
| 2.531 | 13.48 | 49.69 | 0.5  | 6.86 | 222.03 | 0.56 | 42.94 |
| 2.559 | 13.48 | 49.76 | 0.3  | 6.86 | 439.59 | 0.52 | 43.0  |
| 2.592 | 13.49 | 49.8  | 0.34 | 6.84 | 566.19 | 0.5  | 43.03 |
| 2.637 | 13.5  | 49.78 | 0.46 | 6.82 | 420.65 | 0.56 | 43.0  |
| 2.7   | 13.5  | 49.76 | 0.38 | 6.79 | 451.25 | 0.53 | 42.97 |
| 2.761 | 13.5  | 49.75 | 0.46 | 6.77 | 335.96 | 0.5  | 42.96 |
| 2.815 | 13.51 | 49.78 | 0.38 | 6.73 | 364.94 | 0.52 | 42.99 |
| 2.859 | 13.51 | 49.8  | 0.46 | 6.7  | 267.13 | 0.52 | 43.0  |
| 2.893 | 13.51 | 49.83 | 0.3  | 6.66 | 322.68 | 0.53 | 43.03 |
| 2.91  | 13.51 | 49.78 | 0.53 | 6.63 | 565.54 | 0.55 | 42.98 |
| 2.913 | 13.51 | 49.8  | 0.5  | 6.59 | 411.87 | 0.53 | 43.0  |
| 2.936 | 13.52 | 49.91 | 0.46 | 6.56 | 466.03 | 0.56 | 43.1  |
| 3.002 | 13.52 | 49.84 | 0.5  | 6.54 | 459.91 | 0.54 | 43.03 |
| 3.073 | 13.52 | 49.69 | 0.57 | 6.52 | 326.82 | 0.54 | 42.88 |
| 3.119 | 13.5  | 49.78 | 0.42 | 6.53 | 308.56 | 0.55 | 43.0  |
| 3.148 | 13.46 | 49.85 | 0.34 | 6.54 | 442.04 | 0.53 | 43.1  |
| 3.165 | 13.46 | 49.77 | 0.42 | 6.58 | 532.83 | 0.54 | 43.04 |
| 3.193 | 13.46 | 49.84 | 0.38 | 6.64 | 357.07 | 0.55 | 43.1  |
| 3.256 | 13.47 | 49.83 | 0.53 | 6.72 | 231.06 | 0.55 | 43.08 |
| 3.318 | 13.48 | 49.75 | 0.53 | 6.82 | 354.27 | 0.56 | 42.99 |
| 3.353 | 13.47 | 49.8  | 0.3  | 6.93 | 434.72 | 0.56 | 43.04 |
| 3.37  | 13.45 | 49.85 | 0.38 | 7.03 | 395.32 | 0.49 | 43.12 |
| 3.401 | 13.45 | 49.83 | 0.3  | 7.11 | 354.93 | 0.55 | 43.1  |
| 3.461 | 13.46 | 49.78 | 0.46 | 7.17 | 312.08 | 0.56 | 43.04 |
| 3.526 | 13.47 | 49.8  | 0.46 | 7.22 | 298.36 | 0.56 | 43.06 |
| 3.554 | 13.47 | 49.88 | 0.57 | 7.29 | 438.37 | 0.56 | 43.13 |
| 3.591 | 13.48 | 49.83 | 0.46 | 7.28 | 415.13 | 0.55 | 43.07 |
| 3.663 | 13.43 | 49.85 | 0.46 | 7.08 | 411.68 | 0.53 | 43.15 |
| 3.702 | 13.44 | 49.83 | 0.5  | 7.04 | 416.67 | 0.56 | 43.11 |
| 3.791 | 13.45 | 49.8  | 0.42 | 7.01 | 454.72 | 0.55 | 43.06 |
| 3.802 | 13.44 | 49.8  | 0.38 | 6.9  | 511.18 | 0.57 | 43.09 |
| 3.844 | 13.45 | 49.83 | 0.5  | 6.89 | 412.92 | 0.56 | 43.1  |
| 3.916 | 13.45 | 49.83 | 0.5  | 6.89 | 320.51 | 0.55 | 43.09 |
| 3.963 | 13.44 | 49.86 | 0.46 | 6.89 | 427.03 | 0.55 | 43.14 |
| 3.966 | 13.44 | 49.82 | 0.46 | 6.9  | 403.37 | 0.56 | 43.1  |
| 4.01  | 13.46 | 49.82 | 0.46 | 6.91 | 376.36 | 0.65 | 43.08 |
| 4.083 | 13.47 | 49.83 | 0.5  | 6.92 | 417.54 | 0.59 | 43.08 |
| 4.129 | 13.47 | 49.79 | 0.5  | 6.95 | 328.18 | 0.57 | 43.04 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.152 | 13.46 | 49.85 | 0.5  | 6.98 | 326.13 | 0.6  | 43.1  |
| 4.175 | 13.45 | 49.86 | 0.5  | 7.0  | 347.36 | 0.56 | 43.12 |
| 4.203 | 13.46 | 49.81 | 0.53 | 7.01 | 344.15 | 0.6  | 43.07 |
| 4.223 | 13.46 | 49.81 | 0.46 | 7.01 | 333.16 | 0.6  | 43.06 |
| 4.227 | 13.45 | 49.85 | 0.5  | 7.01 | 318.96 | 0.63 | 43.12 |
| 4.242 | 13.44 | 49.87 | 0.42 | 7.0  | 369.7  | 0.61 | 43.15 |
| 4.284 | 13.45 | 49.82 | 0.72 | 6.98 | 383.32 | 0.57 | 43.09 |
| 4.33  | 13.45 | 49.81 | 0.42 | 6.97 | 330.93 | 0.63 | 43.07 |
| 4.367 | 13.45 | 49.85 | 0.42 | 6.97 | 318.15 | 0.61 | 43.13 |
| 4.412 | 13.44 | 49.87 | 0.46 | 6.97 | 342.8  | 0.59 | 43.15 |
| 4.467 | 13.45 | 49.82 | 0.53 | 6.97 | 320.89 | 0.62 | 43.09 |
| 4.524 | 13.45 | 49.84 | 0.65 | 6.98 | 298.85 | 0.62 | 43.1  |
| 4.577 | 13.44 | 49.86 | 0.42 | 7.0  | 299.4  | 0.62 | 43.14 |
| 4.616 | 13.44 | 49.84 | 0.46 | 7.02 | 311.36 | 0.62 | 43.11 |
| 4.641 | 13.44 | 49.84 | 0.38 | 7.04 | 330.24 | 0.63 | 43.12 |
| 4.68  | 13.45 | 49.89 | 0.46 | 7.06 | 345.99 | 0.57 | 43.16 |
| 4.731 | 13.46 | 49.84 | 0.61 | 7.07 | 355.67 | 0.6  | 43.1  |
| 4.762 | 13.45 | 49.88 | 0.53 | 7.06 | 239.62 | 0.58 | 43.15 |
| 4.779 | 13.46 | 49.84 | 0.5  | 7.05 | 254.68 | 0.59 | 43.11 |
| 4.829 | 13.47 | 49.85 | 0.57 | 7.04 | 267.2  | 0.58 | 43.1  |
| 4.888 | 13.47 | 49.86 | 0.3  | 7.04 | 370.22 | 0.64 | 43.11 |
| 4.941 | 13.46 | 49.85 | 0.53 | 7.05 | 322.53 | 0.6  | 43.1  |
| 4.993 | 13.46 | 49.87 | 0.46 | 7.06 | 304.16 | 0.61 | 43.12 |
| 5.052 | 13.47 | 49.86 | 0.5  | 7.07 | 284.25 | 0.6  | 43.11 |
| 5.113 | 13.47 | 49.86 | 0.5  | 7.06 | 250.41 | 0.6  | 43.11 |
| 5.168 | 13.47 | 49.86 | 0.61 | 7.03 | 256.1  | 0.63 | 43.11 |
| 5.208 | 13.48 | 49.84 | 0.57 | 6.98 | 297.53 | 0.63 | 43.08 |
| 5.251 | 13.48 | 49.88 | 0.5  | 6.92 | 281.96 | 0.63 | 43.11 |
| 5.324 | 13.48 | 49.92 | 0.53 | 6.84 | 265.84 | 0.62 | 43.14 |
| 5.402 | 13.5  | 49.87 | 0.53 | 6.75 | 301.21 | 0.71 | 43.09 |
| 5.481 | 13.5  | 49.94 | 0.38 | 6.67 | 287.1  | 0.66 | 43.15 |
| 5.527 | 13.5  | 49.89 | 0.46 | 6.63 | 247.92 | 0.69 | 43.1  |
| 5.575 | 13.51 | 49.96 | 0.53 | 6.63 | 235.22 | 0.66 | 43.16 |
| 5.632 | 13.51 | 49.94 | 0.42 | 6.71 | 269.25 | 0.72 | 43.14 |
| 5.687 | 13.52 | 49.96 | 0.53 | 6.84 | 282.09 | 0.69 | 43.15 |
| 5.746 | 13.52 | 50.0  | 0.5  | 7.0  | 262.53 | 0.71 | 43.18 |
| 5.81  | 13.52 | 49.98 | 0.46 | 7.18 | 256.1  | 0.65 | 43.16 |
| 5.878 | 13.52 | 49.99 | 0.46 | 7.35 | 246.43 | 0.67 | 43.17 |
| 5.929 | 13.53 | 49.99 | 0.38 | 7.5  | 250.17 | 0.65 | 43.17 |
| 5.963 | 13.53 | 49.99 | 0.5  | 7.61 | 234.84 | 0.61 | 43.16 |
| 5.974 | 13.53 | 49.99 | 0.38 | 7.65 | 236.47 | 0.65 | 43.16 |
| 5.984 | 13.53 | 50.01 | 0.46 | 7.65 | 232.29 | 0.66 | 43.18 |
| 6.037 | 13.53 | 50.01 | 0.57 | 7.62 | 230.47 | 0.67 | 43.18 |
| 6.114 | 13.53 | 50.0  | 0.53 | 7.56 | 232.67 | 0.69 | 43.17 |
| 6.151 | 13.53 | 50.0  | 0.5  | 7.5  | 226.13 | 0.66 | 43.17 |

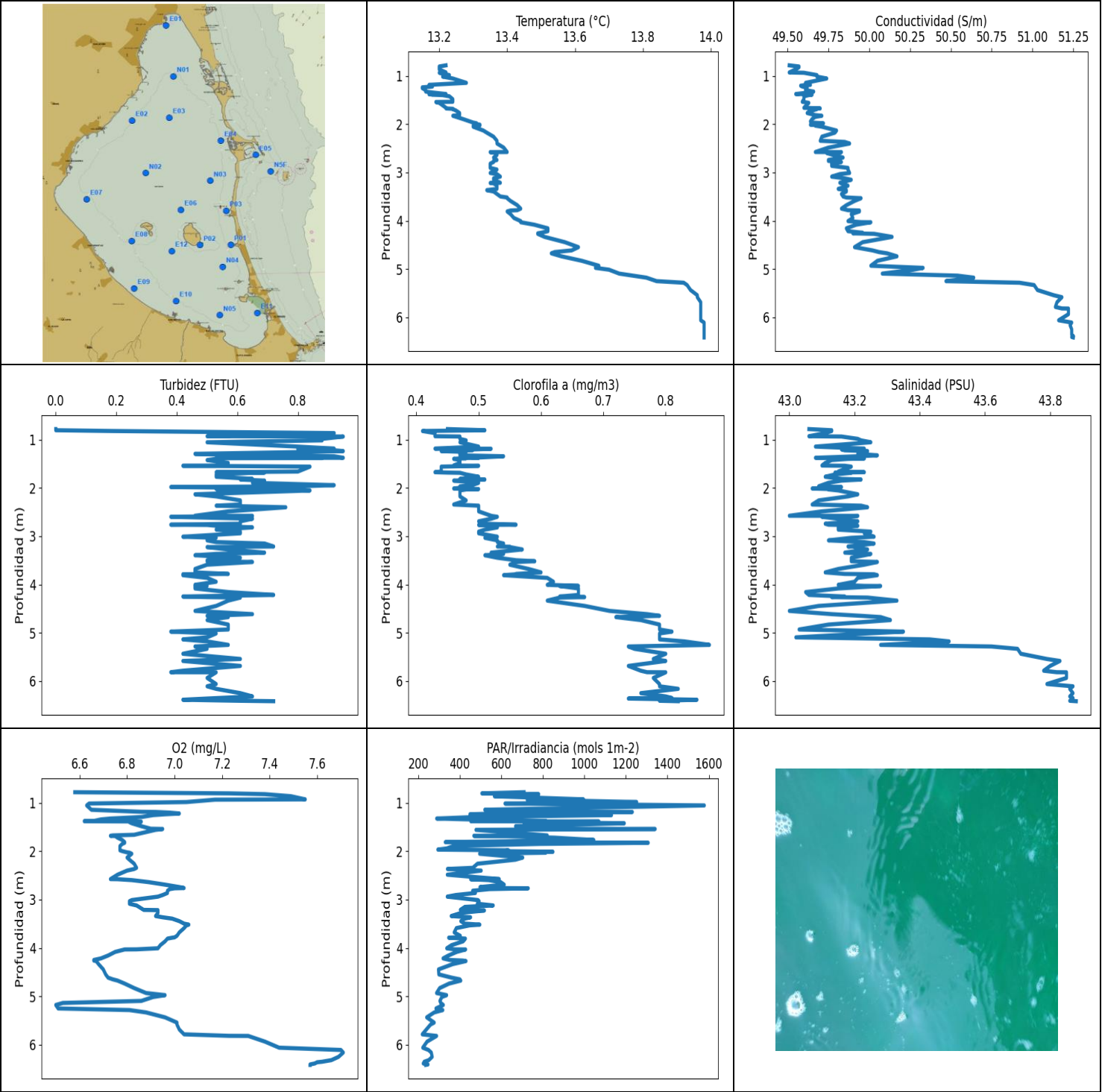


| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 12.83      | 48.64               | 0.23           | 6.38           | 80.64                       | 0.4               | 42.52           |
| PROF (metros)                                                                | 0.702      | 0.753               | 1.269          | 0.967          | 0.702                       | 1.282             | 1.031           |
| MÁXIMO                                                                       | 12.94      | 12.94               | 1.3            | 7.31           | 97.51                       | 0.55              | 42.78           |
| PROF (metros)                                                                | 1.225      | 1.114               | 0.702          | 1.411          | 1.409                       | 0.94              | 1.299           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P03 - Punto 010                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 12.88      | 48.7                | 0.7            | 6.53           | 91.0                        | 0.44              | 42.63           |
| 1 - 2m                                                     | 12.91      | 48.77               | 0.53           | 6.82           | 91.57                       | 0.43              | 42.67           |

| OBSERVACIONES GENERALES |
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| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.702                                                          | 12.83      | 48.7                | 1.3            | 6.77           | 80.64                       | 0.43              | 42.7            |
| 0.753                                                          | 12.85      | 48.64               | 0.76           | 6.74           | 95.3                        | 0.43              | 42.61           |
| 0.785                                                          | 12.86      | 48.74               | 1.11           | 6.63           | 90.94                       | 0.43              | 42.7            |
| 0.819                                                          | 12.88      | 48.72               | 0.57           | 6.6            | 83.62                       | 0.43              | 42.66           |
| 0.867                                                          | 12.89      | 48.66               | 0.61           | 6.47           | 95.9                        | 0.43              | 42.59           |
| 0.888                                                          | 12.91      | 48.67               | 0.65           | 6.44           | 89.54                       | 0.43              | 42.58           |
| 0.918                                                          | 12.91      | 48.71               | 0.42           | 6.4            | 97.18                       | 0.43              | 42.61           |
| 0.94                                                           | 12.9       | 48.7                | 0.42           | 6.39           | 94.64                       | 0.55              | 42.61           |
| 0.967                                                          | 12.9       | 48.75               | 0.5            | 6.38           | 91.2                        | 0.42              | 42.66           |
| 1.008                                                          | 12.91      | 48.77               | 0.53           | 6.38           | 89.13                       | 0.43              | 42.67           |
| 1.031                                                          | 12.93      | 48.64               | 0.57           | 6.39           | 87.21                       | 0.42              | 42.52           |
| 1.037                                                          | 12.92      | 48.76               | 0.42           | 6.39           | 90.8                        | 0.43              | 42.66           |
| 1.04                                                           | 12.89      | 48.75               | 0.42           | 6.41           | 94.73                       | 0.43              | 42.67           |
| 1.049                                                          | 12.89      | 48.71               | 0.53           | 6.43           | 93.59                       | 0.43              | 42.64           |
| 1.114                                                          | 12.9       | 48.86               | 0.5            | 6.48           | 91.62                       | 0.43              | 42.77           |
| 1.175                                                          | 12.93      | 48.71               | 0.72           | 6.56           | 91.22                       | 0.44              | 42.59           |
| 1.225                                                          | 12.94      | 48.78               | 0.42           | 6.64           | 86.36                       | 0.43              | 42.65           |
| 1.269                                                          | 12.91      | 48.79               | 0.23           | 6.73           | 91.83                       | 0.41              | 42.69           |
| 1.282                                                          | 12.91      | 48.73               | 0.5            | 6.84           | 97.33                       | 0.4               | 42.63           |
| 1.299                                                          | 12.89      | 48.85               | 0.38           | 6.94           | 93.36                       | 0.45              | 42.78           |
| 1.329                                                          | 12.89      | 48.77               | 0.46           | 7.04           | 91.24                       | 0.43              | 42.69           |
| 1.355                                                          | 12.92      | 48.74               | 0.3            | 7.12           | 90.44                       | 0.4               | 42.64           |
| 1.377                                                          | 12.91      | 48.81               | 0.34           | 7.17           | 90.33                       | 0.46              | 42.72           |
| 1.398                                                          | 12.91      | 48.8                | 0.8            | 7.23           | 92.43                       | 0.4               | 42.71           |
| 1.409                                                          | 12.93      | 48.79               | 0.76           | 7.3            | 97.51                       | 0.4               | 42.67           |
| 1.411                                                          | 12.92      | 48.82               | 0.84           | 7.31           | 87.73                       | 0.45              | 42.71           |
| 1.413                                                          | 12.92      | 48.76               | 0.88           | 7.31           | 91.32                       | 0.44              | 42.64           |



| 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                                                                       | 13.15      | 49.51               | 0.0            | 6.5            | 219.57                      | 0.41              | 43.0            |
| PROF (metros)                                                                | 1.235      | 0.779               | 0.779          | 5.178          | 5.785                       | 0.819             | 2.575           |
| MÁXIMO                                                                       | 13.98      | 13.98               | 0.95           | 7.71           | 1577.5                      | 0.87              | 43.88           |
| PROF (metros)                                                                | 6.108      | 6.387               | 0.933          | 6.161          | 1.052                       | 5.25              | 6.417           |



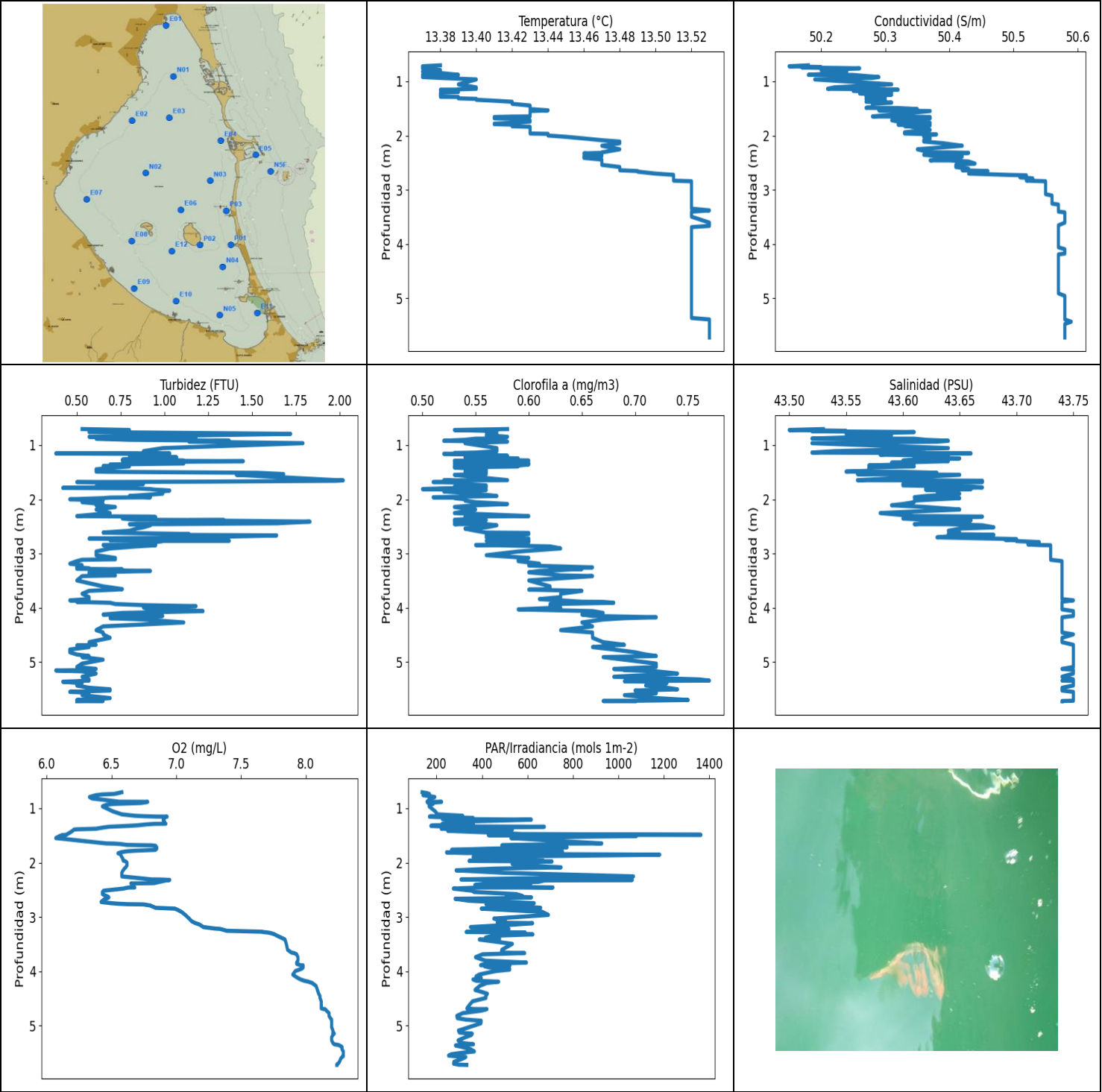
| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E06 - Punto 011                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.21      | 49.58               | 0.69           | 7.33           | 863.98                      | 0.44              | 43.13           |
| 1 - 2m                                                     | 13.22      | 49.64               | 0.69           | 6.8            | 726.43                      | 0.48              | 43.17           |
| 2 - 3m                                                     | 13.35      | 49.77               | 0.58           | 6.87           | 537.67                      | 0.5               | 43.15           |
| 3 - 4m                                                     | 13.38      | 49.86               | 0.54           | 6.95           | 430.56                      | 0.55              | 43.21           |
| 4 - 5m                                                     | 13.54      | 50.01               | 0.53           | 6.76           | 357.64                      | 0.7               | 43.17           |
| 5 - 6m                                                     | 13.89      | 50.88               | 0.49           | 6.93           | 278.7                       | 0.79              | 43.61           |
| 6 - 7m                                                     | 13.98      | 51.23               | 0.56           | 7.61           | 241.7                       | 0.8               | 43.86           |

| 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) |
| 0.779                                                          | 13.22      | 49.51               | 0.0            | 6.58           | 709.75                      | 0.45              | 43.06           |
| 0.803                                                          | 13.2       | 49.57               | 0.0            | 7.23           | 506.46                      | 0.51              | 43.13           |
| 0.819                                                          | 13.2       | 49.57               | 0.19           | 7.38           | 780.15                      | 0.41              | 43.13           |
| 0.862                                                          | 13.2       | 49.55               | 0.92           | 7.49           | 566.85                      | 0.43              | 43.11           |
| 0.927                                                          | 13.22      | 49.51               | 0.5            | 7.55           | 996.03                      | 0.43              | 43.06           |
| 0.933                                                          | 13.2       | 49.6                | 0.95           | 7.17           | 725.05                      | 0.47              | 43.16           |
| 0.982                                                          | 13.23      | 49.68               | 0.88           | 7.05           | 1251.8                      | 0.47              | 43.21           |
| 1.013                                                          | 13.21      | 49.68               | 0.88           | 6.64           | 617.89                      | 0.48              | 43.22           |
| 1.052                                                          | 13.24      | 49.74               | 0.5            | 6.63           | 1577.5                      | 0.47              | 43.25           |
| 1.142                                                          | 13.28      | 49.61               | 0.8            | 6.65           | 520.63                      | 0.5               | 43.08           |
| 1.184                                                          | 13.17      | 49.64               | 0.92           | 6.86           | 606.26                      | 0.43              | 43.23           |
| 1.187                                                          | 13.18      | 49.61               | 0.8            | 6.92           | 1231.0                      | 0.52              | 43.19           |
| 1.201                                                          | 13.18      | 49.58               | 0.8            | 6.98           | 777.08                      | 0.49              | 43.16           |
| 1.219                                                          | 13.18      | 49.59               | 0.92           | 7.02           | 587.45                      | 0.49              | 43.17           |
| 1.235                                                          | 13.15      | 49.62               | 0.95           | 6.96           | 449.06                      | 0.44              | 43.24           |
| 1.252                                                          | 13.15      | 49.61               | 0.84           | 6.91           | 1130.7                      | 0.48              | 43.23           |
| 1.292                                                          | 13.16      | 49.61               | 0.46           | 6.86           | 471.46                      | 0.47              | 43.21           |
| 1.323                                                          | 13.16      | 49.66               | 0.61           | 6.73           | 288.9                       | 0.47              | 43.27           |
| 1.342                                                          | 13.18      | 49.63               | 0.92           | 6.69           | 457.47                      | 0.54              | 43.21           |
| 1.374                                                          | 13.22      | 49.55               | 0.95           | 6.66           | 815.46                      | 0.49              | 43.08           |
| 1.375                                                          | 13.17      | 49.64               | 0.61           | 6.62           | 497.97                      | 0.5               | 43.23           |
| 1.379                                                          | 13.17      | 49.61               | 0.88           | 6.62           | 453.56                      | 0.47              | 43.2            |
| 1.383                                                          | 13.18      | 49.62               | 0.53           | 6.84           | 1070.0                      | 0.48              | 43.2            |
| 1.388                                                          | 13.18      | 49.65               | 0.53           | 6.86           | 895.92                      | 0.47              | 43.23           |
| 1.396                                                          | 13.21      | 49.63               | 0.53           | 6.81           | 707.45                      | 0.46              | 43.18           |
| 1.421                                                          | 13.23      | 49.6                | 0.5            | 6.82           | 1192.3                      | 0.47              | 43.13           |
| 1.481                                                          | 13.24      | 49.6                | 0.57           | 6.86           | 668.87                      | 0.47              | 43.11           |
| 1.534                                                          | 13.24      | 49.59               | 0.53           | 6.9            | 795.67                      | 0.46              | 43.1            |
| 1.539                                                          | 13.19      | 49.6                | 0.42           | 6.95           | 1341.0                      | 0.5               | 43.17           |
| 1.557                                                          | 13.2       | 49.63               | 0.84           | 6.92           | 478.17                      | 0.44              | 43.19           |
| 1.659                                                          | 13.22      | 49.6                | 0.8            | 6.83           | 783.95                      | 0.44              | 43.15           |
| 1.672                                                          | 13.22      | 49.7                | 0.53           | 6.74           | 821.15                      | 0.43              | 43.23           |
| 1.68                                                           | 13.24      | 49.63               | 0.69           | 6.73           | 467.87                      | 0.45              | 43.14           |
| 1.685                                                          | 13.24      | 49.68               | 0.65           | 6.75           | 602.76                      | 0.47              | 43.19           |
| 1.719                                                          | 13.25      | 49.65               | 0.53           | 6.76           | 857.52                      | 0.48              | 43.14           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.767 | 13.26 | 49.62 | 0.53 | 6.78 | 1045.5 | 0.5  | 43.11 |
| 1.811 | 13.26 | 49.67 | 0.65 | 6.79 | 330.32 | 0.47 | 43.16 |
| 1.824 | 13.24 | 49.71 | 0.61 | 6.79 | 1307.5 | 0.51 | 43.22 |
| 1.847 | 13.25 | 49.67 | 0.69 | 6.78 | 784.14 | 0.46 | 43.16 |
| 1.892 | 13.27 | 49.65 | 0.65 | 6.77 | 368.42 | 0.5  | 43.12 |
| 1.941 | 13.29 | 49.64 | 0.92 | 6.77 | 337.75 | 0.49 | 43.1  |
| 1.965 | 13.3  | 49.65 | 0.8  | 6.77 | 294.65 | 0.47 | 43.09 |
| 1.98  | 13.31 | 49.72 | 0.38 | 6.77 | 635.17 | 0.47 | 43.16 |
| 1.997 | 13.31 | 49.68 | 0.65 | 6.78 | 609.36 | 0.47 | 43.11 |
| 2.01  | 13.32 | 49.64 | 0.65 | 6.79 | 848.82 | 0.46 | 43.07 |
| 2.022 | 13.32 | 49.71 | 0.53 | 6.8  | 501.67 | 0.5  | 43.13 |
| 2.029 | 13.3  | 49.67 | 0.76 | 6.81 | 814.51 | 0.48 | 43.12 |
| 2.051 | 13.3  | 49.71 | 0.84 | 6.82 | 495.78 | 0.47 | 43.15 |
| 2.13  | 13.33 | 49.8  | 0.46 | 6.8  | 703.37 | 0.47 | 43.21 |
| 2.174 | 13.34 | 49.79 | 0.53 | 6.81 | 667.94 | 0.47 | 43.18 |
| 2.257 | 13.36 | 49.71 | 0.61 | 6.83 | 485.43 | 0.48 | 43.09 |
| 2.342 | 13.37 | 49.7  | 0.61 | 6.84 | 462.8  | 0.46 | 43.07 |
| 2.366 | 13.37 | 49.85 | 0.53 | 6.83 | 340.74 | 0.5  | 43.22 |
| 2.399 | 13.37 | 49.88 | 0.76 | 6.8  | 503.19 | 0.5  | 43.24 |
| 2.484 | 13.39 | 49.75 | 0.57 | 6.76 | 340.19 | 0.5  | 43.1  |
| 2.575 | 13.4  | 49.67 | 0.46 | 6.73 | 590.04 | 0.52 | 43.0  |
| 2.577 | 13.35 | 49.83 | 0.65 | 6.76 | 452.51 | 0.52 | 43.21 |
| 2.596 | 13.37 | 49.74 | 0.38 | 6.82 | 539.55 | 0.53 | 43.1  |
| 2.637 | 13.37 | 49.78 | 0.65 | 6.89 | 596.92 | 0.52 | 43.15 |
| 2.69  | 13.36 | 49.84 | 0.61 | 6.96 | 614.18 | 0.5  | 43.21 |
| 2.74  | 13.37 | 49.75 | 0.61 | 7.02 | 497.62 | 0.51 | 43.11 |
| 2.76  | 13.36 | 49.75 | 0.38 | 7.04 | 518.22 | 0.56 | 43.12 |
| 2.765 | 13.36 | 49.79 | 0.5  | 7.0  | 729.77 | 0.5  | 43.16 |
| 2.782 | 13.36 | 49.83 | 0.53 | 6.98 | 541.8  | 0.53 | 43.21 |
| 2.816 | 13.35 | 49.77 | 0.65 | 6.97 | 462.26 | 0.53 | 43.15 |
| 2.862 | 13.35 | 49.77 | 0.53 | 6.97 | 475.41 | 0.51 | 43.15 |
| 2.904 | 13.35 | 49.87 | 0.61 | 6.95 | 381.54 | 0.5  | 43.25 |
| 2.938 | 13.37 | 49.87 | 0.61 | 6.93 | 339.87 | 0.5  | 43.23 |
| 3.009 | 13.35 | 49.88 | 0.42 | 6.82 | 488.03 | 0.53 | 43.26 |
| 3.032 | 13.37 | 49.82 | 0.53 | 6.81 | 493.14 | 0.51 | 43.19 |
| 3.085 | 13.38 | 49.77 | 0.5  | 6.81 | 484.53 | 0.53 | 43.12 |
| 3.12  | 13.36 | 49.85 | 0.53 | 6.84 | 561.1  | 0.53 | 43.23 |
| 3.15  | 13.36 | 49.89 | 0.69 | 6.85 | 424.47 | 0.54 | 43.26 |
| 3.212 | 13.38 | 49.82 | 0.72 | 6.87 | 402.9  | 0.53 | 43.18 |
| 3.217 | 13.35 | 49.83 | 0.61 | 6.93 | 449.06 | 0.55 | 43.21 |
| 3.224 | 13.36 | 49.83 | 0.5  | 6.93 | 518.82 | 0.55 | 43.2  |
| 3.273 | 13.37 | 49.87 | 0.57 | 6.93 | 407.6  | 0.57 | 43.24 |
| 3.339 | 13.37 | 49.81 | 0.69 | 6.92 | 358.9  | 0.52 | 43.17 |
| 3.365 | 13.34 | 49.86 | 0.53 | 6.95 | 452.3  | 0.54 | 43.25 |
| 3.393 | 13.36 | 49.86 | 0.46 | 6.99 | 424.17 | 0.51 | 43.23 |
| 3.445 | 13.37 | 49.83 | 0.61 | 7.02 | 405.15 | 0.53 | 43.19 |
| 3.496 | 13.38 | 49.84 | 0.5  | 7.04 | 423.78 | 0.56 | 43.19 |
| 3.517 | 13.4  | 49.86 | 0.5  | 7.06 | 496.7  | 0.59 | 43.19 |
| 3.532 | 13.4  | 49.95 | 0.65 | 7.05 | 446.99 | 0.56 | 43.27 |
| 3.589 | 13.41 | 49.91 | 0.5  | 7.04 | 383.58 | 0.55 | 43.23 |
| 3.677 | 13.43 | 49.86 | 0.46 | 7.02 | 373.32 | 0.58 | 43.15 |
| 3.748 | 13.44 | 49.83 | 0.46 | 7.01 | 402.71 | 0.6  | 43.11 |
| 3.78  | 13.43 | 49.87 | 0.57 | 7.0  | 385.63 | 0.56 | 43.17 |
| 3.787 | 13.41 | 49.94 | 0.42 | 6.99 | 346.71 | 0.56 | 43.26 |
| 3.806 | 13.4  | 49.94 | 0.42 | 6.97 | 427.23 | 0.54 | 43.27 |
| 3.862 | 13.41 | 49.89 | 0.5  | 6.96 | 416.38 | 0.61 | 43.21 |
| 3.942 | 13.42 | 49.9  | 0.53 | 6.94 | 360.15 | 0.62 | 43.2  |
| 4.006 | 13.44 | 49.87 | 0.46 | 6.93 | 337.36 | 0.61 | 43.15 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.028 | 13.44 | 49.95 | 0.5  | 6.84 | 375.4  | 0.66 | 43.23 |
| 4.03  | 13.44 | 50.01 | 0.46 | 6.79 | 428.42 | 0.63 | 43.28 |
| 4.081 | 13.48 | 49.92 | 0.46 | 6.75 | 385.45 | 0.66 | 43.15 |
| 4.156 | 13.52 | 49.86 | 0.57 | 6.72 | 345.27 | 0.66 | 43.05 |
| 4.215 | 13.52 | 49.87 | 0.72 | 6.69 | 319.7  | 0.66 | 43.06 |
| 4.248 | 13.5  | 49.96 | 0.42 | 6.66 | 352.22 | 0.63 | 43.17 |
| 4.26  | 13.49 | 49.9  | 0.5  | 6.66 | 414.55 | 0.67 | 43.13 |
| 4.27  | 13.49 | 50.03 | 0.61 | 6.67 | 430.21 | 0.63 | 43.24 |
| 4.333 | 13.51 | 50.14 | 0.57 | 6.68 | 366.46 | 0.61 | 43.33 |
| 4.443 | 13.57 | 49.96 | 0.53 | 6.7  | 297.67 | 0.67 | 43.09 |
| 4.546 | 13.61 | 49.91 | 0.46 | 6.71 | 299.4  | 0.71 | 43.0  |
| 4.613 | 13.59 | 50.02 | 0.65 | 6.72 | 360.56 | 0.77 | 43.13 |
| 4.648 | 13.54 | 50.06 | 0.5  | 6.74 | 400.29 | 0.79 | 43.22 |
| 4.674 | 13.53 | 50.11 | 0.57 | 6.76 | 405.05 | 0.72 | 43.28 |
| 4.736 | 13.56 | 50.17 | 0.5  | 6.79 | 348.65 | 0.76 | 43.31 |
| 4.829 | 13.62 | 50.05 | 0.57 | 6.83 | 303.31 | 0.79 | 43.12 |
| 4.931 | 13.67 | 50.01 | 0.57 | 6.88 | 288.37 | 0.79 | 43.03 |
| 4.975 | 13.66 | 50.33 | 0.38 | 6.96 | 336.81 | 0.81 | 43.35 |
| 5.013 | 13.7  | 50.27 | 0.53 | 6.91 | 313.97 | 0.79 | 43.24 |
| 5.094 | 13.73 | 50.08 | 0.5  | 6.86 | 304.44 | 0.79 | 43.02 |
| 5.136 | 13.77 | 50.54 | 0.42 | 6.53 | 308.56 | 0.79 | 43.43 |
| 5.178 | 13.81 | 50.64 | 0.5  | 6.5  | 320.96 | 0.83 | 43.49 |
| 5.25  | 13.84 | 50.47 | 0.57 | 6.51 | 285.51 | 0.87 | 43.28 |
| 5.283 | 13.92 | 50.92 | 0.46 | 6.81 | 318.52 | 0.74 | 43.62 |
| 5.332 | 13.93 | 51.01 | 0.5  | 6.88 | 277.03 | 0.75 | 43.7  |
| 5.434 | 13.94 | 51.03 | 0.42 | 6.96 | 240.73 | 0.8  | 43.71 |
| 5.542 | 13.96 | 51.13 | 0.61 | 7.01 | 277.1  | 0.78 | 43.79 |
| 5.583 | 13.96 | 51.18 | 0.42 | 7.01 | 259.39 | 0.8  | 43.83 |
| 5.686 | 13.97 | 51.15 | 0.61 | 7.02 | 239.29 | 0.74 | 43.8  |
| 5.785 | 13.97 | 51.14 | 0.42 | 7.04 | 219.57 | 0.76 | 43.78 |
| 5.816 | 13.97 | 51.18 | 0.38 | 7.23 | 284.12 | 0.77 | 43.82 |
| 5.818 | 13.97 | 51.22 | 0.53 | 7.31 | 288.57 | 0.8  | 43.85 |
| 5.935 | 13.97 | 51.22 | 0.5  | 7.38 | 242.75 | 0.78 | 43.85 |
| 6.061 | 13.97 | 51.16 | 0.53 | 7.44 | 222.03 | 0.79 | 43.79 |
| 6.108 | 13.98 | 51.24 | 0.5  | 7.7  | 249.48 | 0.79 | 43.87 |
| 6.161 | 13.98 | 51.23 | 0.53 | 7.71 | 262.9  | 0.82 | 43.86 |
| 6.25  | 13.98 | 51.24 | 0.61 | 7.69 | 267.26 | 0.76 | 43.87 |
| 6.318 | 13.98 | 51.24 | 0.65 | 7.66 | 250.93 | 0.8  | 43.86 |
| 6.352 | 13.98 | 51.24 | 0.53 | 7.62 | 228.82 | 0.81 | 43.87 |
| 6.362 | 13.98 | 51.24 | 0.5  | 7.6  | 228.08 | 0.74 | 43.87 |
| 6.387 | 13.98 | 51.25 | 0.42 | 7.59 | 224.3  | 0.85 | 43.87 |
| 6.408 | 13.98 | 51.24 | 0.61 | 7.57 | 247.18 | 0.79 | 43.86 |
| 6.417 | 13.98 | 51.25 | 0.72 | 7.57 | 235.98 | 0.82 | 43.88 |



| 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                                                                       | 13.37      | 50.15               | 0.38           | 6.07           | 136.56                      | 0.5               | 43.5            |
| PROF (metros)                                                                | 0.722      | 0.722               | 1.154          | 1.548          | 0.705                       | 1.811             | 0.722           |
| MÁXIMO                                                                       | 13.53      | 13.53               | 2.02           | 8.29           | 1362.6                      | 0.77              | 43.75           |
| PROF (metros)                                                                | 3.379      | 5.431               | 1.65           | 5.473          | 1.489                       | 5.341             | 3.862           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E12 - Punto 012                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.38      | 50.22               | 0.98           | 6.5            | 167.67                      | 0.56              | 43.57           |
| 1 - 2m                                                     | 13.41      | 50.31               | 0.93           | 6.59           | 474.45                      | 0.55              | 43.62           |
| 2 - 3m                                                     | 13.49      | 50.44               | 0.89           | 6.67           | 526.7                       | 0.57              | 43.66           |
| 3 - 4m                                                     | 13.52      | 50.57               | 0.63           | 7.7            | 475.72                      | 0.62              | 43.74           |
| 4 - 5m                                                     | 13.52      | 50.57               | 0.69           | 8.09           | 378.37                      | 0.67              | 43.75           |
| 5 - 6m                                                     | 13.53      | 50.58               | 0.55           | 8.24           | 314.2                       | 0.71              | 43.75           |

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

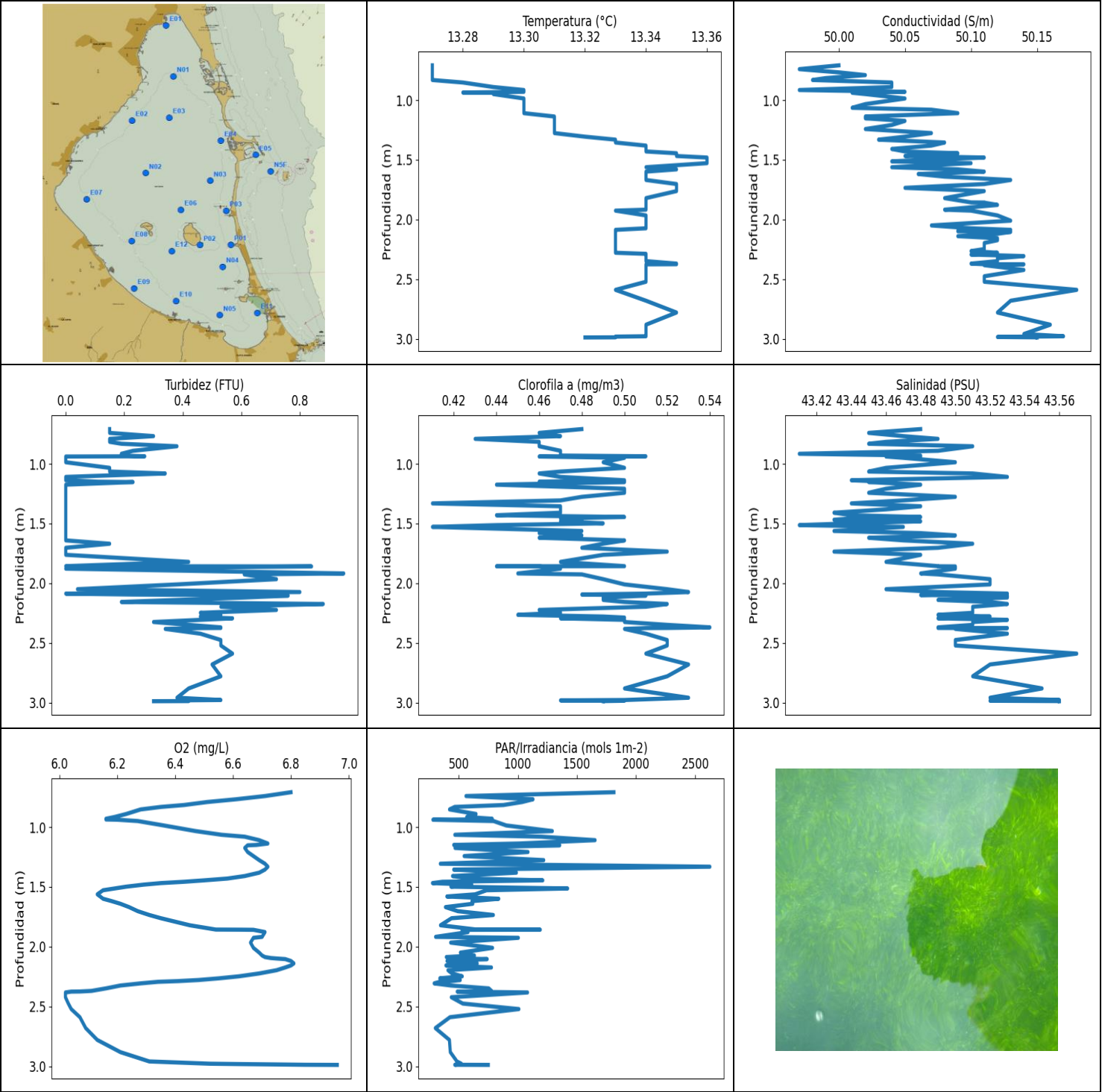
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.705                                                          | 13.38      | 50.18               | 0.53           | 6.58           | 136.56                      | 0.58              | 43.53           |
| 0.722                                                          | 13.37      | 50.15               | 0.8            | 6.55           | 158.14                      | 0.53              | 43.5            |
| 0.737                                                          | 13.37      | 50.2                | 0.76           | 6.52           | 169.02                      | 0.56              | 43.55           |
| 0.745                                                          | 13.37      | 50.17               | 0.61           | 6.43           | 145.51                      | 0.57              | 43.52           |
| 0.76                                                           | 13.37      | 50.26               | 0.57           | 6.38           | 140.48                      | 0.56              | 43.61           |
| 0.793                                                          | 13.38      | 50.2                | 1.72           | 6.33           | 192.57                      | 0.57              | 43.55           |
| 0.82                                                           | 13.37      | 50.24               | 1.22           | 6.35           | 173.3                       | 0.56              | 43.59           |
| 0.847                                                          | 13.38      | 50.23               | 0.57           | 6.45           | 166.68                      | 0.58              | 43.57           |
| 0.88                                                           | 13.39      | 50.18               | 1.18           | 6.56           | 158.18                      | 0.57              | 43.52           |
| 0.882                                                          | 13.37      | 50.25               | 0.61           | 6.78           | 222.44                      | 0.55              | 43.61           |
| 0.903                                                          | 13.38      | 50.27               | 0.8            | 6.73           | 162.15                      | 0.54              | 43.62           |
| 0.921                                                          | 13.37      | 50.29               | 1.37           | 6.51           | 185.13                      | 0.52              | 43.64           |
| 0.937                                                          | 13.38      | 50.28               | 1.14           | 6.46           | 169.96                      | 0.58              | 43.63           |
| 0.965                                                          | 13.4       | 50.19               | 1.79           | 6.43           | 167.22                      | 0.54              | 43.52           |
| 1.056                                                          | 13.39      | 50.31               | 0.99           | 6.51           | 194.1                       | 0.57              | 43.64           |
| 1.112                                                          | 13.4       | 50.22               | 0.88           | 6.58           | 204.49                      | 0.57              | 43.54           |
| 1.138                                                          | 13.4       | 50.21               | 0.88           | 6.68           | 314.85                      | 0.55              | 43.52           |
| 1.147                                                          | 13.39      | 50.3                | 0.92           | 6.76           | 172.58                      | 0.53              | 43.62           |
| 1.153                                                          | 13.39      | 50.29               | 1.03           | 6.85           | 203.12                      | 0.54              | 43.62           |
| 1.154                                                          | 13.38      | 50.32               | 0.38           | 6.93           | 168.63                      | 0.56              | 43.66           |
| 1.161                                                          | 13.38      | 50.25               | 0.84           | 6.92           | 198.47                      | 0.52              | 43.59           |
| 1.177                                                          | 13.39      | 50.25               | 1.03           | 6.91           | 360.65                      | 0.56              | 43.58           |
| 1.197                                                          | 13.39      | 50.31               | 0.88           | 6.9            | 225.29                      | 0.58              | 43.64           |
| 1.21                                                           | 13.38      | 50.27               | 0.8            | 6.9            | 616.89                      | 0.56              | 43.61           |
| 1.225                                                          | 13.38      | 50.26               | 1.07           | 6.9            | 485.99                      | 0.54              | 43.61           |
| 1.246                                                          | 13.38      | 50.31               | 0.88           | 6.91           | 307.49                      | 0.59              | 43.65           |
| 1.268                                                          | 13.38      | 50.27               | 0.76           | 6.91           | 247.18                      | 0.55              | 43.61           |
| 1.285                                                          | 13.38      | 50.27               | 1.11           | 6.92           | 225.14                      | 0.6               | 43.6            |
| 1.287                                                          | 13.39      | 50.3                | 0.76           | 6.83           | 341.05                      | 0.53              | 43.63           |
| 1.297                                                          | 13.39      | 50.3                | 1.45           | 6.77           | 362.41                      | 0.53              | 43.64           |
| 1.314                                                          | 13.39      | 50.28               | 0.88           | 6.7            | 188.56                      | 0.59              | 43.61           |
| 1.324                                                          | 13.4       | 50.27               | 0.8            | 6.63           | 175.04                      | 0.57              | 43.59           |
| 1.331                                                          | 13.4       | 50.29               | 1.11           | 6.56           | 205.63                      | 0.6               | 43.61           |
| 1.34                                                           | 13.4       | 50.3                | 1.11           | 6.48           | 674.16                      | 0.53              | 43.61           |
| 1.357                                                          | 13.41      | 50.3                | 0.69           | 6.43           | 343.75                      | 0.6               | 43.6            |
| 1.377                                                          | 13.42      | 50.27               | 0.76           | 6.38           | 220.74                      | 0.59              | 43.57           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.387 | 13.42 | 50.29 | 0.65 | 6.23 | 479.17 | 0.53 | 43.59 |
| 1.392 | 13.42 | 50.31 | 0.8  | 6.21 | 533.7  | 0.59 | 43.61 |
| 1.415 | 13.42 | 50.28 | 0.72 | 6.2  | 249.19 | 0.53 | 43.57 |
| 1.446 | 13.43 | 50.28 | 0.61 | 6.18 | 438.57 | 0.56 | 43.57 |
| 1.475 | 13.43 | 50.28 | 0.61 | 6.16 | 573.32 | 0.56 | 43.57 |
| 1.489 | 13.43 | 50.27 | 0.61 | 6.15 | 1362.6 | 0.54 | 43.55 |
| 1.493 | 13.43 | 50.32 | 0.69 | 6.12 | 427.53 | 0.56 | 43.6  |
| 1.511 | 13.43 | 50.35 | 1.53 | 6.1  | 1078.9 | 0.56 | 43.63 |
| 1.535 | 13.44 | 50.29 | 1.68 | 6.08 | 647.06 | 0.56 | 43.56 |
| 1.548 | 13.43 | 50.37 | 1.41 | 6.07 | 526.94 | 0.53 | 43.65 |
| 1.647 | 13.43 | 50.28 | 1.98 | 6.46 | 926.54 | 0.58 | 43.56 |
| 1.65  | 13.42 | 50.33 | 2.02 | 6.52 | 696.88 | 0.52 | 43.62 |
| 1.658 | 13.41 | 50.37 | 1.98 | 6.57 | 754.89 | 0.53 | 43.67 |
| 1.674 | 13.41 | 50.33 | 1.22 | 6.62 | 561.49 | 0.53 | 43.63 |
| 1.682 | 13.41 | 50.37 | 0.5  | 6.81 | 487.01 | 0.51 | 43.67 |
| 1.69  | 13.42 | 50.34 | 0.69 | 6.84 | 715.7  | 0.53 | 43.63 |
| 1.718 | 13.43 | 50.31 | 0.88 | 6.85 | 774.02 | 0.54 | 43.6  |
| 1.743 | 13.43 | 50.32 | 0.65 | 6.85 | 434.22 | 0.56 | 43.6  |
| 1.765 | 13.42 | 50.37 | 0.61 | 6.84 | 266.08 | 0.53 | 43.66 |
| 1.781 | 13.41 | 50.36 | 0.61 | 6.68 | 608.94 | 0.56 | 43.67 |
| 1.789 | 13.41 | 50.35 | 0.42 | 6.63 | 753.66 | 0.55 | 43.65 |
| 1.798 | 13.42 | 50.32 | 0.84 | 6.6  | 524.87 | 0.52 | 43.62 |
| 1.811 | 13.42 | 50.37 | 0.92 | 6.57 | 243.88 | 0.5  | 43.66 |
| 1.823 | 13.42 | 50.33 | 0.95 | 6.56 | 323.5  | 0.53 | 43.62 |
| 1.828 | 13.42 | 50.34 | 0.99 | 6.55 | 596.23 | 0.56 | 43.63 |
| 1.838 | 13.43 | 50.34 | 1.03 | 6.57 | 397.43 | 0.53 | 43.63 |
| 1.854 | 13.43 | 50.35 | 0.99 | 6.57 | 1181.6 | 0.52 | 43.63 |
| 1.896 | 13.43 | 50.37 | 0.99 | 6.58 | 360.73 | 0.55 | 43.65 |
| 1.939 | 13.43 | 50.33 | 0.8  | 6.59 | 438.16 | 0.57 | 43.62 |
| 1.962 | 13.43 | 50.33 | 0.92 | 6.59 | 669.49 | 0.51 | 43.61 |
| 1.968 | 13.44 | 50.35 | 0.69 | 6.6  | 343.04 | 0.53 | 43.63 |
| 1.978 | 13.44 | 50.38 | 0.65 | 6.61 | 707.78 | 0.53 | 43.65 |
| 1.999 | 13.44 | 50.36 | 0.46 | 6.62 | 575.45 | 0.54 | 43.63 |
| 2.023 | 13.45 | 50.36 | 0.65 | 6.62 | 532.34 | 0.54 | 43.61 |
| 2.053 | 13.46 | 50.37 | 0.53 | 6.62 | 589.22 | 0.55 | 43.61 |
| 2.086 | 13.47 | 50.36 | 0.65 | 6.61 | 747.58 | 0.58 | 43.6  |
| 2.11  | 13.48 | 50.36 | 0.61 | 6.6  | 457.25 | 0.55 | 43.59 |
| 2.141 | 13.48 | 50.39 | 0.72 | 6.59 | 286.17 | 0.53 | 43.62 |
| 2.188 | 13.47 | 50.42 | 0.61 | 6.58 | 499.12 | 0.55 | 43.65 |
| 2.253 | 13.48 | 50.35 | 0.69 | 6.58 | 1066.0 | 0.53 | 43.58 |
| 2.309 | 13.47 | 50.37 | 0.5  | 6.81 | 307.63 | 0.6  | 43.61 |
| 2.31  | 13.47 | 50.4  | 0.53 | 6.87 | 640.05 | 0.59 | 43.63 |
| 2.318 | 13.47 | 50.43 | 0.92 | 6.95 | 1060.8 | 0.54 | 43.67 |
| 2.328 | 13.46 | 50.41 | 0.95 | 6.92 | 674.47 | 0.56 | 43.65 |
| 2.354 | 13.47 | 50.36 | 0.76 | 6.87 | 647.51 | 0.55 | 43.6  |
| 2.377 | 13.47 | 50.38 | 0.84 | 6.83 | 407.5  | 0.53 | 43.62 |
| 2.383 | 13.46 | 50.38 | 1.34 | 6.65 | 614.89 | 0.56 | 43.63 |
| 2.388 | 13.46 | 50.42 | 1.14 | 6.66 | 405.71 | 0.55 | 43.66 |
| 2.411 | 13.46 | 50.4  | 1.83 | 6.66 | 368.42 | 0.53 | 43.64 |
| 2.442 | 13.47 | 50.38 | 1.64 | 6.67 | 441.84 | 0.54 | 43.62 |
| 2.457 | 13.47 | 50.37 | 0.99 | 6.68 | 711.9  | 0.53 | 43.61 |
| 2.458 | 13.47 | 50.4  | 0.8  | 6.63 | 390.13 | 0.56 | 43.64 |
| 2.478 | 13.47 | 50.43 | 0.92 | 6.59 | 274.03 | 0.57 | 43.67 |
| 2.516 | 13.47 | 50.44 | 0.88 | 6.44 | 356.33 | 0.56 | 43.68 |
| 2.54  | 13.47 | 50.41 | 0.84 | 6.43 | 364.94 | 0.54 | 43.65 |
| 2.579 | 13.48 | 50.41 | 0.8  | 6.43 | 550.28 | 0.55 | 43.64 |
| 2.613 | 13.48 | 50.43 | 0.65 | 6.46 | 577.86 | 0.56 | 43.65 |
| 2.62  | 13.48 | 50.43 | 0.76 | 6.47 | 506.23 | 0.6  | 43.65 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.639 | 13.48 | 50.42 | 1.14 | 6.48 | 617.75 | 0.6  | 43.64 |
| 2.654 | 13.49 | 50.46 | 0.99 | 6.47 | 506.93 | 0.59 | 43.68 |
| 2.665 | 13.49 | 50.44 | 1.64 | 6.45 | 281.63 | 0.56 | 43.65 |
| 2.701 | 13.5  | 50.43 | 1.18 | 6.43 | 343.91 | 0.56 | 43.63 |
| 2.724 | 13.51 | 50.49 | 0.57 | 6.42 | 458.53 | 0.6  | 43.68 |
| 2.733 | 13.51 | 50.52 | 0.8  | 6.45 | 562.14 | 0.6  | 43.7  |
| 2.746 | 13.51 | 50.51 | 0.72 | 6.5  | 629.31 | 0.59 | 43.69 |
| 2.756 | 13.51 | 50.51 | 0.69 | 6.55 | 482.18 | 0.58 | 43.7  |
| 2.764 | 13.51 | 50.52 | 1.37 | 6.62 | 545.71 | 0.56 | 43.7  |
| 2.766 | 13.51 | 50.52 | 0.95 | 6.68 | 484.31 | 0.6  | 43.7  |
| 2.769 | 13.51 | 50.51 | 0.99 | 6.75 | 417.64 | 0.59 | 43.7  |
| 2.789 | 13.51 | 50.53 | 0.95 | 6.8  | 511.66 | 0.6  | 43.72 |
| 2.831 | 13.51 | 50.52 | 0.88 | 6.84 | 657.95 | 0.59 | 43.71 |
| 2.842 | 13.52 | 50.55 | 0.65 | 6.96 | 424.76 | 0.55 | 43.72 |
| 2.846 | 13.52 | 50.55 | 0.95 | 6.99 | 396.78 | 0.57 | 43.73 |
| 2.868 | 13.52 | 50.55 | 0.84 | 7.01 | 492.34 | 0.62 | 43.73 |
| 2.905 | 13.52 | 50.55 | 0.69 | 7.04 | 664.69 | 0.63 | 43.73 |
| 2.962 | 13.52 | 50.55 | 0.61 | 7.07 | 691.73 | 0.59 | 43.73 |
| 3.03  | 13.52 | 50.55 | 0.61 | 7.1  | 451.99 | 0.56 | 43.73 |
| 3.08  | 13.52 | 50.55 | 0.72 | 7.12 | 504.12 | 0.6  | 43.73 |
| 3.105 | 13.52 | 50.56 | 0.72 | 7.14 | 466.68 | 0.59 | 43.73 |
| 3.114 | 13.52 | 50.56 | 0.53 | 7.15 | 622.49 | 0.59 | 43.73 |
| 3.139 | 13.52 | 50.56 | 0.5  | 7.18 | 545.33 | 0.59 | 43.74 |
| 3.186 | 13.52 | 50.56 | 0.46 | 7.21 | 349.13 | 0.61 | 43.74 |
| 3.213 | 13.52 | 50.56 | 0.53 | 7.3  | 454.19 | 0.6  | 43.74 |
| 3.22  | 13.52 | 50.56 | 0.53 | 7.34 | 518.34 | 0.6  | 43.74 |
| 3.254 | 13.52 | 50.56 | 0.5  | 7.39 | 492.91 | 0.66 | 43.74 |
| 3.271 | 13.52 | 50.57 | 0.57 | 7.66 | 358.56 | 0.63 | 43.74 |
| 3.276 | 13.52 | 50.57 | 0.5  | 7.67 | 330.17 | 0.62 | 43.74 |
| 3.28  | 13.52 | 50.57 | 0.5  | 7.68 | 431.51 | 0.62 | 43.74 |
| 3.284 | 13.52 | 50.57 | 0.61 | 7.7  | 589.63 | 0.65 | 43.74 |
| 3.291 | 13.52 | 50.57 | 0.76 | 7.72 | 573.19 | 0.64 | 43.74 |
| 3.304 | 13.52 | 50.57 | 0.61 | 7.74 | 519.78 | 0.63 | 43.74 |
| 3.32  | 13.52 | 50.57 | 0.92 | 7.76 | 623.65 | 0.61 | 43.74 |
| 3.346 | 13.52 | 50.57 | 0.57 | 7.78 | 450.1  | 0.6  | 43.74 |
| 3.379 | 13.53 | 50.57 | 0.57 | 7.81 | 415.51 | 0.62 | 43.74 |
| 3.402 | 13.52 | 50.57 | 0.72 | 7.83 | 477.29 | 0.63 | 43.74 |
| 3.415 | 13.52 | 50.58 | 0.53 | 7.84 | 388.41 | 0.66 | 43.74 |
| 3.495 | 13.52 | 50.58 | 0.5  | 7.85 | 533.45 | 0.6  | 43.74 |
| 3.604 | 13.53 | 50.58 | 0.65 | 7.86 | 486.9  | 0.62 | 43.74 |
| 3.655 | 13.53 | 50.57 | 0.76 | 7.89 | 485.43 | 0.62 | 43.74 |
| 3.664 | 13.53 | 50.57 | 0.72 | 7.91 | 587.58 | 0.6  | 43.74 |
| 3.687 | 13.52 | 50.57 | 0.57 | 7.93 | 401.97 | 0.65 | 43.74 |
| 3.74  | 13.52 | 50.57 | 0.53 | 7.94 | 371.16 | 0.63 | 43.74 |
| 3.803 | 13.52 | 50.57 | 0.57 | 7.94 | 413.98 | 0.63 | 43.74 |
| 3.839 | 13.52 | 50.57 | 0.57 | 7.93 | 595.4  | 0.61 | 43.74 |
| 3.862 | 13.52 | 50.57 | 0.46 | 7.93 | 420.45 | 0.63 | 43.75 |
| 3.887 | 13.52 | 50.57 | 0.57 | 7.96 | 393.67 | 0.65 | 43.74 |
| 3.89  | 13.52 | 50.57 | 0.5  | 7.98 | 522.8  | 0.67 | 43.74 |
| 3.907 | 13.52 | 50.57 | 0.69 | 7.98 | 410.63 | 0.68 | 43.74 |
| 3.93  | 13.52 | 50.57 | 0.72 | 7.98 | 434.42 | 0.62 | 43.74 |
| 3.95  | 13.52 | 50.57 | 0.88 | 7.97 | 521.35 | 0.62 | 43.74 |
| 3.969 | 13.52 | 50.57 | 1.18 | 7.95 | 521.59 | 0.62 | 43.74 |
| 3.994 | 13.52 | 50.57 | 0.88 | 7.92 | 462.05 | 0.63 | 43.74 |
| 4.028 | 13.52 | 50.57 | 0.92 | 7.91 | 421.24 | 0.59 | 43.74 |
| 4.06  | 13.52 | 50.57 | 1.22 | 7.9  | 387.42 | 0.66 | 43.75 |
| 4.094 | 13.52 | 50.58 | 0.76 | 7.92 | 373.58 | 0.67 | 43.75 |
| 4.123 | 13.52 | 50.58 | 0.65 | 7.94 | 396.51 | 0.65 | 43.75 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.149 | 13.52 | 50.58 | 0.99 | 7.96 | 360.23 | 0.66 | 43.75 |
| 4.174 | 13.52 | 50.58 | 0.84 | 7.99 | 374.53 | 0.72 | 43.74 |
| 4.19  | 13.52 | 50.57 | 0.69 | 8.02 | 472.99 | 0.69 | 43.74 |
| 4.215 | 13.52 | 50.57 | 0.88 | 8.05 | 420.45 | 0.67 | 43.74 |
| 4.269 | 13.52 | 50.57 | 1.11 | 8.08 | 389.4  | 0.65 | 43.74 |
| 4.342 | 13.52 | 50.57 | 0.65 | 8.09 | 369.1  | 0.66 | 43.74 |
| 4.411 | 13.52 | 50.57 | 0.61 | 8.1  | 423.49 | 0.63 | 43.74 |
| 4.454 | 13.52 | 50.57 | 0.65 | 8.11 | 416.57 | 0.66 | 43.74 |
| 4.489 | 13.52 | 50.57 | 0.65 | 8.11 | 417.44 | 0.66 | 43.75 |
| 4.552 | 13.52 | 50.57 | 0.69 | 8.12 | 357.98 | 0.66 | 43.74 |
| 4.632 | 13.52 | 50.57 | 0.57 | 8.12 | 341.93 | 0.67 | 43.74 |
| 4.682 | 13.52 | 50.57 | 0.61 | 8.12 | 333.32 | 0.69 | 43.75 |
| 4.694 | 13.52 | 50.57 | 0.5  | 8.14 | 368.08 | 0.67 | 43.75 |
| 4.695 | 13.52 | 50.57 | 0.53 | 8.15 | 421.72 | 0.68 | 43.75 |
| 4.723 | 13.52 | 50.57 | 0.57 | 8.16 | 396.69 | 0.66 | 43.75 |
| 4.768 | 13.52 | 50.57 | 0.46 | 8.18 | 315.8  | 0.68 | 43.75 |
| 4.819 | 13.52 | 50.57 | 0.46 | 8.18 | 289.1  | 0.7  | 43.75 |
| 4.86  | 13.52 | 50.57 | 0.5  | 8.19 | 291.05 | 0.71 | 43.75 |
| 4.888 | 13.52 | 50.57 | 0.57 | 8.2  | 329.1  | 0.72 | 43.75 |
| 4.908 | 13.52 | 50.57 | 0.53 | 8.2  | 396.23 | 0.67 | 43.75 |
| 4.955 | 13.52 | 50.58 | 0.65 | 8.2  | 395.22 | 0.69 | 43.75 |
| 5.027 | 13.52 | 50.58 | 0.53 | 8.2  | 343.36 | 0.72 | 43.75 |
| 5.09  | 13.52 | 50.58 | 0.5  | 8.21 | 296.23 | 0.72 | 43.75 |
| 5.126 | 13.52 | 50.58 | 0.61 | 8.21 | 300.44 | 0.68 | 43.74 |
| 5.141 | 13.52 | 50.58 | 0.53 | 8.22 | 342.0  | 0.69 | 43.75 |
| 5.148 | 13.52 | 50.58 | 0.57 | 8.22 | 357.24 | 0.69 | 43.75 |
| 5.154 | 13.52 | 50.58 | 0.38 | 8.21 | 330.4  | 0.7  | 43.75 |
| 5.17  | 13.52 | 50.58 | 0.53 | 8.21 | 353.53 | 0.72 | 43.75 |
| 5.211 | 13.52 | 50.58 | 0.61 | 8.2  | 327.27 | 0.74 | 43.75 |
| 5.27  | 13.52 | 50.58 | 0.53 | 8.2  | 294.72 | 0.68 | 43.74 |
| 5.319 | 13.52 | 50.58 | 0.57 | 8.21 | 314.41 | 0.76 | 43.75 |
| 5.341 | 13.52 | 50.58 | 0.57 | 8.22 | 362.41 | 0.77 | 43.74 |
| 5.346 | 13.52 | 50.58 | 0.53 | 8.23 | 345.27 | 0.72 | 43.75 |
| 5.353 | 13.52 | 50.58 | 0.5  | 8.25 | 298.85 | 0.69 | 43.75 |
| 5.362 | 13.52 | 50.58 | 0.42 | 8.26 | 283.2  | 0.72 | 43.75 |
| 5.389 | 13.53 | 50.58 | 0.53 | 8.28 | 309.85 | 0.73 | 43.75 |
| 5.431 | 13.53 | 50.59 | 0.5  | 8.28 | 349.54 | 0.71 | 43.75 |
| 5.473 | 13.53 | 50.58 | 0.57 | 8.29 | 366.46 | 0.73 | 43.74 |
| 5.502 | 13.53 | 50.58 | 0.69 | 8.29 | 303.74 | 0.74 | 43.74 |
| 5.524 | 13.53 | 50.58 | 0.69 | 8.29 | 265.41 | 0.7  | 43.74 |
| 5.549 | 13.53 | 50.58 | 0.46 | 8.29 | 252.74 | 0.72 | 43.75 |
| 5.563 | 13.53 | 50.58 | 0.57 | 8.29 | 286.17 | 0.71 | 43.75 |
| 5.575 | 13.53 | 50.58 | 0.53 | 8.28 | 328.87 | 0.72 | 43.75 |
| 5.61  | 13.53 | 50.58 | 0.53 | 8.27 | 312.3  | 0.69 | 43.75 |
| 5.664 | 13.53 | 50.58 | 0.69 | 8.26 | 276.14 | 0.72 | 43.75 |
| 5.699 | 13.53 | 50.58 | 0.5  | 8.25 | 275.18 | 0.75 | 43.75 |
| 5.712 | 13.53 | 50.58 | 0.53 | 8.24 | 293.42 | 0.7  | 43.75 |
| 5.717 | 13.53 | 50.58 | 0.65 | 8.24 | 295.2  | 0.67 | 43.74 |
| 5.721 | 13.53 | 50.58 | 0.5  | 8.24 | 333.16 | 0.7  | 43.74 |





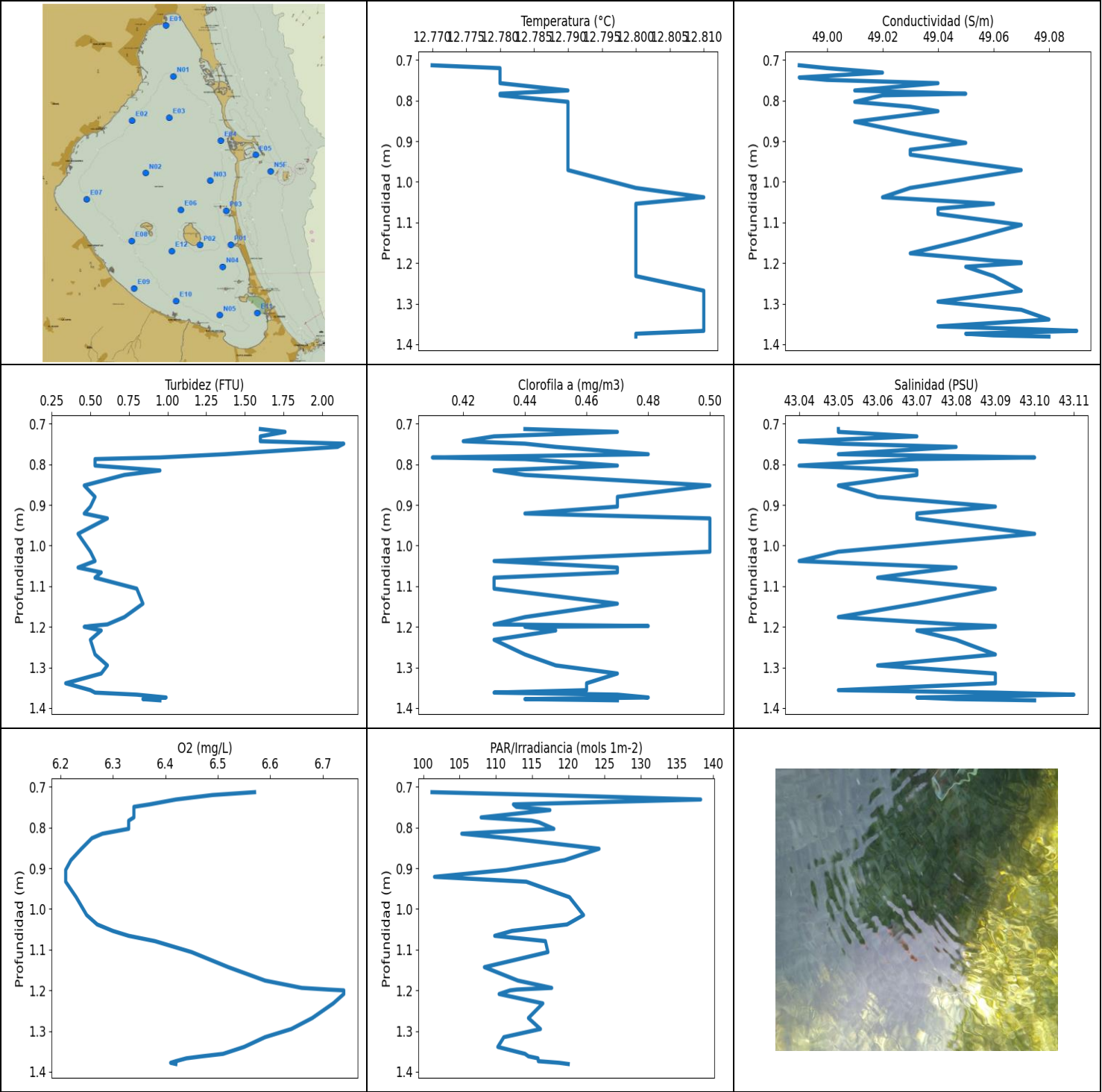
| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.27      | 49.97               | 0.0            | 6.02           | 277.68                      | 0.41              | 43.41           |
| PROF (metros)                                                                | 0.708      | 0.74                | 0.938          | 2.383          | 1.468                       | 1.331             | 0.915           |
| MÁXIMO                                                                       | 13.36      | 13.36               | 0.95           | 6.96           | 2625.0                      | 0.54              | 43.57           |
| PROF (metros)                                                                | 1.481      | 2.59                | 1.918          | 2.989          | 1.331                       | 2.37              | 2.59            |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P02 - Punto 013                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.28      | 50.01               | 0.22           | 6.4            | 806.55                      | 0.47              | 43.47           |
| 1 - 2m                                                     | 13.32      | 50.07               | 0.42           | 6.58           | 746.74                      | 0.47              | 43.48           |
| 2 - 3m                                                     | 13.34      | 50.12               | 0.48           | 6.46           | 545.43                      | 0.5               | 43.52           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.708                                                          | 13.27      | 50.0                | 0.15           | 6.8            | 1812.9                      | 0.48              | 43.48           |
| 0.74                                                           | 13.27      | 49.97               | 0.15           | 6.71           | 561.1                       | 0.46              | 43.45           |
| 0.767                                                          | 13.27      | 50.0                | 0.3            | 6.61           | 1128.6                      | 0.47              | 43.47           |
| 0.79                                                           | 13.27      | 50.02               | 0.15           | 6.51           | 1036.5                      | 0.43              | 43.49           |
| 0.815                                                          | 13.27      | 49.99               | 0.15           | 6.43           | 878.24                      | 0.46              | 43.46           |
| 0.831                                                          | 13.27      | 49.98               | 0.19           | 6.35           | 465.7                       | 0.46              | 43.45           |
| 0.852                                                          | 13.28      | 50.04               | 0.38           | 6.28           | 421.92                      | 0.46              | 43.51           |
| 0.89                                                           | 13.29      | 50.04               | 0.23           | 6.23           | 646.31                      | 0.47              | 43.49           |
| 0.915                                                          | 13.3       | 49.97               | 0.19           | 6.19           | 567.51                      | 0.47              | 43.41           |
| 0.93                                                           | 13.3       | 50.05               | 0.19           | 6.16           | 783.41                      | 0.47              | 43.48           |
| 0.936                                                          | 13.28      | 50.02               | 0.27           | 6.16           | 569.88                      | 0.51              | 43.48           |
| 0.938                                                          | 13.29      | 50.01               | 0.0            | 6.2            | 281.37                      | 0.46              | 43.46           |
| 0.949                                                          | 13.29      | 50.02               | 0.0            | 6.27           | 794.19                      | 0.5               | 43.47           |
| 0.986                                                          | 13.3       | 50.05               | 0.0            | 6.36           | 902.17                      | 0.49              | 43.5            |
| 1.033                                                          | 13.3       | 50.02               | 0.15           | 6.47           | 1291.8                      | 0.5               | 43.46           |
| 1.064                                                          | 13.3       | 50.01               | 0.15           | 6.56           | 466.89                      | 0.47              | 43.45           |
| 1.08                                                           | 13.3       | 50.07               | 0.34           | 6.64           | 1200.6                      | 0.46              | 43.51           |
| 1.109                                                          | 13.3       | 50.09               | 0.0            | 6.69           | 1653.5                      | 0.47              | 43.53           |
| 1.137                                                          | 13.31      | 50.02               | 0.0            | 6.72           | 1007.2                      | 0.5               | 43.44           |
| 1.149                                                          | 13.31      | 50.03               | 0.11           | 6.68           | 457.47                      | 0.46              | 43.46           |
| 1.152                                                          | 13.31      | 50.02               | 0.23           | 6.65           | 1354.4                      | 0.5               | 43.45           |
| 1.174                                                          | 13.31      | 50.05               | 0.0            | 6.64           | 468.41                      | 0.44              | 43.48           |
| 1.208                                                          | 13.31      | 50.04               | 0.0            | 6.65           | 1086.0                      | 0.5               | 43.46           |
| 1.242                                                          | 13.31      | 50.02               | 0.0            | 6.67           | 545.46                      | 0.5               | 43.45           |
| 1.276                                                          | 13.31      | 50.07               | 0.0            | 6.69           | 1219.1                      | 0.48              | 43.5            |
| 1.306                                                          | 13.32      | 50.05               | 0.0            | 6.71           | 344.07                      | 0.47              | 43.47           |
| 1.331                                                          | 13.33      | 50.03               | 0.0            | 6.72           | 2625.0                      | 0.41              | 43.44           |
| 1.355                                                          | 13.33      | 50.08               | 0.0            | 6.71           | 457.47                      | 0.47              | 43.48           |
| 1.381                                                          | 13.34      | 50.07               | 0.0            | 6.69           | 987.75                      | 0.47              | 43.46           |
| 1.409                                                          | 13.34      | 50.04               | 0.0            | 6.64           | 447.5                       | 0.47              | 43.43           |
| 1.43                                                           | 13.34      | 50.05               | 0.0            | 6.58           | 589.63                      | 0.44              | 43.44           |
| 1.445                                                          | 13.35      | 50.09               | 0.0            | 6.5            | 1211.2                      | 0.5               | 43.48           |
| 1.457                                                          | 13.35      | 50.06               | 0.0            | 6.43           | 362.49                      | 0.47              | 43.44           |
| 1.468                                                          | 13.35      | 50.05               | 0.0            | 6.35           | 277.68                      | 0.48              | 43.43           |
| 1.481                                                          | 13.36      | 50.11               | 0.0            | 6.29           | 609.93                      | 0.47              | 43.48           |
| 1.498                                                          | 13.36      | 50.07               | 0.0            | 6.23           | 434.02                      | 0.49              | 43.44           |
| 1.513                                                          | 13.36      | 50.04               | 0.0            | 6.19           | 1421.3                      | 0.44              | 43.41           |
| 1.528                                                          | 13.36      | 50.1                | 0.0            | 6.15           | 735.2                       | 0.41              | 43.47           |
| 1.562                                                          | 13.34      | 50.04               | 0.0            | 6.13           | 638.86                      | 0.48              | 43.43           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.58  | 13.35 | 50.09 | 0.0  | 6.14 | 399.55 | 0.46 | 43.48 |
| 1.599 | 13.34 | 50.11 | 0.0  | 6.15 | 838.65 | 0.48 | 43.5  |
| 1.619 | 13.34 | 50.06 | 0.0  | 6.18 | 611.77 | 0.46 | 43.45 |
| 1.641 | 13.34 | 50.08 | 0.0  | 6.21 | 618.75 | 0.5  | 43.47 |
| 1.669 | 13.34 | 50.13 | 0.15 | 6.24 | 387.24 | 0.49 | 43.51 |
| 1.703 | 13.35 | 50.11 | 0.0  | 6.27 | 492.11 | 0.48 | 43.49 |
| 1.735 | 13.35 | 50.05 | 0.0  | 6.31 | 792.72 | 0.52 | 43.43 |
| 1.762 | 13.35 | 50.11 | 0.0  | 6.35 | 439.18 | 0.49 | 43.48 |
| 1.821 | 13.34 | 50.08 | 0.42 | 6.45 | 345.43 | 0.47 | 43.46 |
| 1.857 | 13.34 | 50.1  | 0.0  | 6.54 | 650.07 | 0.5  | 43.49 |
| 1.858 | 13.34 | 50.11 | 0.38 | 6.63 | 1189.8 | 0.44 | 43.49 |
| 1.859 | 13.34 | 50.11 | 0.84 | 6.67 | 527.18 | 0.46 | 43.5  |
| 1.878 | 13.34 | 50.12 | 0.0  | 6.71 | 578.8  | 0.47 | 43.5  |
| 1.918 | 13.34 | 50.08 | 0.95 | 6.7  | 304.09 | 0.45 | 43.48 |
| 1.926 | 13.33 | 50.1  | 0.61 | 6.67 | 1004.4 | 0.48 | 43.49 |
| 1.966 | 13.34 | 50.12 | 0.72 | 6.66 | 431.61 | 0.49 | 43.52 |
| 2.01  | 13.34 | 50.13 | 0.38 | 6.67 | 786.14 | 0.5  | 43.52 |
| 2.05  | 13.34 | 50.07 | 0.04 | 6.69 | 513.68 | 0.52 | 43.46 |
| 2.074 | 13.34 | 50.1  | 0.8  | 6.7  | 632.82 | 0.53 | 43.49 |
| 2.087 | 13.33 | 50.13 | 0.0  | 6.71 | 394.67 | 0.51 | 43.53 |
| 2.095 | 13.33 | 50.09 | 0.23 | 6.73 | 543.18 | 0.48 | 43.49 |
| 2.099 | 13.33 | 50.09 | 0.53 | 6.75 | 500.16 | 0.5  | 43.48 |
| 2.104 | 13.33 | 50.13 | 0.76 | 6.78 | 740.68 | 0.51 | 43.53 |
| 2.12  | 13.33 | 50.12 | 0.61 | 6.8  | 400.76 | 0.49 | 43.53 |
| 2.14  | 13.33 | 50.09 | 0.38 | 6.81 | 656.27 | 0.49 | 43.49 |
| 2.157 | 13.33 | 50.12 | 0.19 | 6.8  | 391.49 | 0.5  | 43.52 |
| 2.174 | 13.33 | 50.12 | 0.88 | 6.78 | 776.72 | 0.52 | 43.53 |
| 2.197 | 13.33 | 50.11 | 0.53 | 6.75 | 408.73 | 0.51 | 43.51 |
| 2.224 | 13.33 | 50.11 | 0.72 | 6.69 | 442.96 | 0.46 | 43.51 |
| 2.248 | 13.33 | 50.11 | 0.46 | 6.62 | 529.63 | 0.47 | 43.51 |
| 2.265 | 13.33 | 50.1  | 0.53 | 6.55 | 339.71 | 0.45 | 43.49 |
| 2.279 | 13.33 | 50.12 | 0.46 | 6.48 | 512.72 | 0.49 | 43.52 |
| 2.288 | 13.34 | 50.11 | 0.5  | 6.41 | 438.77 | 0.5  | 43.5  |
| 2.294 | 13.34 | 50.1  | 0.57 | 6.34 | 339.24 | 0.47 | 43.49 |
| 2.307 | 13.34 | 50.14 | 0.46 | 6.28 | 291.86 | 0.5  | 43.53 |
| 2.325 | 13.34 | 50.12 | 0.3  | 6.21 | 433.22 | 0.5  | 43.51 |
| 2.349 | 13.34 | 50.12 | 0.42 | 6.16 | 754.19 | 0.52 | 43.51 |
| 2.37  | 13.35 | 50.1  | 0.53 | 6.11 | 777.44 | 0.54 | 43.49 |
| 2.375 | 13.35 | 50.11 | 0.53 | 6.07 | 613.9  | 0.52 | 43.49 |
| 2.376 | 13.34 | 50.14 | 0.46 | 6.04 | 486.9  | 0.51 | 43.53 |
| 2.383 | 13.34 | 50.11 | 0.34 | 6.02 | 1082.2 | 0.5  | 43.5  |
| 2.423 | 13.34 | 50.14 | 0.46 | 6.02 | 436.95 | 0.51 | 43.53 |
| 2.476 | 13.34 | 50.11 | 0.53 | 6.03 | 534.69 | 0.52 | 43.5  |
| 2.522 | 13.34 | 50.11 | 0.53 | 6.04 | 1008.8 | 0.52 | 43.5  |
| 2.59  | 13.33 | 50.18 | 0.57 | 6.07 | 425.65 | 0.51 | 43.57 |
| 2.681 | 13.34 | 50.13 | 0.5  | 6.09 | 301.77 | 0.53 | 43.52 |
| 2.78  | 13.35 | 50.12 | 0.53 | 6.13 | 420.94 | 0.52 | 43.51 |
| 2.882 | 13.34 | 50.16 | 0.42 | 6.21 | 428.62 | 0.5  | 43.55 |
| 2.96  | 13.34 | 50.14 | 0.38 | 6.31 | 484.64 | 0.53 | 43.52 |
| 2.979 | 13.34 | 50.17 | 0.53 | 6.52 | 521.71 | 0.5  | 43.56 |
| 2.982 | 13.33 | 50.14 | 0.38 | 6.62 | 514.99 | 0.47 | 43.54 |
| 2.985 | 13.33 | 50.12 | 0.42 | 6.74 | 492.11 | 0.5  | 43.52 |
| 2.988 | 13.33 | 50.15 | 0.42 | 6.85 | 466.57 | 0.49 | 43.56 |
| 2.989 | 13.32 | 50.15 | 0.3  | 6.96 | 750.01 | 0.49 | 43.56 |



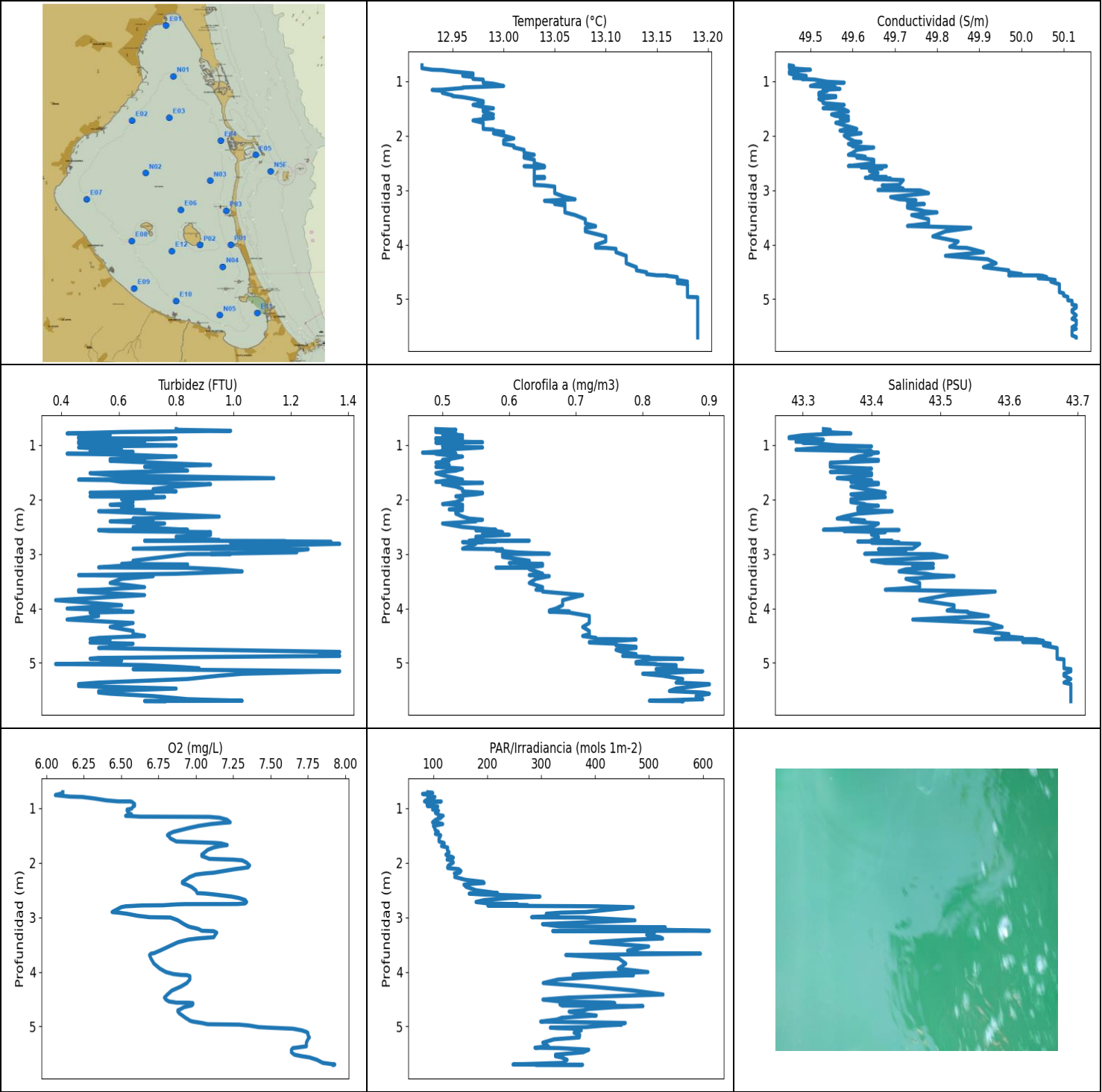
| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |               |                        |                   |                   |                                |                      |                    |
|------------------------------------------------------------------------------|---------------|------------------------|-------------------|-------------------|--------------------------------|----------------------|--------------------|
|                                                                              | 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) |
| MÍNIMO                                                                       | 12.77         | 48.99                  | 0.34              | 6.21              | 101.2                          | 0.41                 | 43.04              |
| PROF (metros)                                                                | 0.713         | 0.713                  | 1.339             | 0.904             | 0.713                          | 0.783                | 0.803              |
| MÁXIMO                                                                       | 12.81         | 12.81                  | 2.14              | 6.74              | 138.25                         | 0.5                  | 43.11              |
| PROF (metros)                                                                | 1.038         | 1.367                  | 0.749             | 1.2               | 0.731                          | 0.852                | 1.367              |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD P01 - Punto 014                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 12.79      | 49.02               | 1.05           | 6.32           | 114.67                      | 0.46              | 43.07           |
| 1 - 2m                                                     | 12.8       | 49.06               | 0.62           | 6.51           | 114.79                      | 0.45              | 43.08           |

| 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) |
| 0.713                                                          | 12.77      | 48.99               | 1.6            | 6.57           | 101.2                       | 0.44              | 43.05           |
| 0.72                                                           | 12.78      | 49.0                | 1.76           | 6.49           | 117.05                      | 0.47              | 43.05           |
| 0.731                                                          | 12.78      | 49.02               | 1.6            | 6.42           | 138.25                      | 0.43              | 43.07           |
| 0.743                                                          | 12.78      | 48.99               | 1.6            | 6.37           | 112.43                      | 0.42              | 43.04           |
| 0.749                                                          | 12.78      | 49.0                | 2.14           | 6.34           | 112.82                      | 0.44              | 43.05           |
| 0.757                                                          | 12.78      | 49.04               | 2.1            | 6.34           | 117.46                      | 0.45              | 43.08           |
| 0.775                                                          | 12.79      | 49.01               | 1.37           | 6.34           | 107.98                      | 0.48              | 43.05           |
| 0.783                                                          | 12.78      | 49.05               | 0.95           | 6.33           | 114.93                      | 0.41              | 43.1            |
| 0.787                                                          | 12.78      | 49.02               | 0.53           | 6.33           | 115.95                      | 0.44              | 43.07           |
| 0.803                                                          | 12.79      | 49.01               | 0.53           | 6.33           | 118.01                      | 0.47              | 43.04           |
| 0.815                                                          | 12.79      | 49.03               | 0.95           | 6.28           | 105.31                      | 0.43              | 43.07           |
| 0.826                                                          | 12.79      | 49.04               | 0.72           | 6.26           | 111.57                      | 0.44              | 43.07           |
| 0.852                                                          | 12.79      | 49.01               | 0.46           | 6.24           | 124.24                      | 0.5               | 43.05           |
| 0.88                                                           | 12.79      | 49.03               | 0.53           | 6.22           | 119.49                      | 0.47              | 43.06           |
| 0.904                                                          | 12.79      | 49.05               | 0.5            | 6.21           | 111.44                      | 0.47              | 43.09           |
| 0.921                                                          | 12.79      | 49.03               | 0.46           | 6.21           | 101.55                      | 0.44              | 43.07           |
| 0.933                                                          | 12.79      | 49.03               | 0.61           | 6.21           | 114.21                      | 0.5               | 43.07           |
| 0.971                                                          | 12.79      | 49.07               | 0.42           | 6.23           | 120.16                      | 0.5               | 43.1            |
| 1.015                                                          | 12.8       | 49.03               | 0.5            | 6.25           | 122.1                       | 0.5               | 43.05           |
| 1.038                                                          | 12.81      | 49.02               | 0.53           | 6.27           | 119.83                      | 0.43              | 43.04           |
| 1.054                                                          | 12.8       | 49.06               | 0.42           | 6.3            | 112.24                      | 0.47              | 43.08           |
| 1.066                                                          | 12.8       | 49.04               | 0.57           | 6.33           | 109.85                      | 0.47              | 43.07           |
| 1.079                                                          | 12.8       | 49.04               | 0.53           | 6.38           | 116.84                      | 0.43              | 43.06           |
| 1.106                                                          | 12.8       | 49.07               | 0.8            | 6.45           | 117.19                      | 0.43              | 43.09           |
| 1.143                                                          | 12.8       | 49.05               | 0.84           | 6.52           | 108.43                      | 0.47              | 43.07           |
| 1.176                                                          | 12.8       | 49.03               | 0.72           | 6.59           | 113.05                      | 0.44              | 43.05           |
| 1.194                                                          | 12.8       | 49.06               | 0.61           | 6.66           | 117.71                      | 0.43              | 43.08           |
| 1.198                                                          | 12.8       | 49.07               | 0.5            | 6.71           | 112.92                      | 0.48              | 43.09           |
| 1.2                                                            | 12.8       | 49.07               | 0.46           | 6.74           | 111.98                      | 0.44              | 43.09           |
| 1.209                                                          | 12.8       | 49.05               | 0.57           | 6.74           | 110.46                      | 0.45              | 43.07           |
| 1.232                                                          | 12.8       | 49.06               | 0.5            | 6.72           | 116.49                      | 0.43              | 43.08           |
| 1.268                                                          | 12.81      | 49.07               | 0.53           | 6.68           | 114.5                       | 0.44              | 43.09           |
| 1.295                                                          | 12.81      | 49.04               | 0.61           | 6.64           | 116.16                      | 0.45              | 43.06           |
| 1.315                                                          | 12.81      | 49.07               | 0.57           | 6.59           | 111.11                      | 0.47              | 43.09           |
| 1.339                                                          | 12.81      | 49.08               | 0.34           | 6.55           | 110.28                      | 0.46              | 43.09           |
| 1.356                                                          | 12.81      | 49.04               | 0.5            | 6.51           | 114.03                      | 0.46              | 43.05           |
| 1.362                                                          | 12.81      | 49.07               | 0.53           | 6.47           | 114.5                       | 0.43              | 43.09           |
| 1.367                                                          | 12.81      | 49.09               | 0.8            | 6.44           | 115.81                      | 0.47              | 43.11           |
| 1.374                                                          | 12.8       | 49.05               | 0.99           | 6.42           | 115.87                      | 0.48              | 43.07           |
| 1.378                                                          | 12.8       | 49.06               | 0.84           | 6.41           | 118.75                      | 0.44              | 43.08           |

|       |      |       |      |      |        |      |      |
|-------|------|-------|------|------|--------|------|------|
| 1.381 | 12.8 | 49.08 | 0.95 | 6.42 | 119.99 | 0.47 | 43.1 |
|-------|------|-------|------|------|--------|------|------|



| 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                                                                       | 12.92      | 49.45               | 0.38           | 6.06           | 79.84                       | 0.47              | 43.28           |
| PROF (metros)                                                                | 0.705      | 0.705               | 3.849          | 0.758          | 0.736                       | 1.138             | 0.854           |
| MÁXIMO                                                                       | 13.19      | 13.19               | 1.37           | 7.93           | 612.19                      | 0.9               | 43.69           |
| PROF (metros)                                                                | 4.967      | 5.117               | 2.814          | 5.698          | 3.246                       | 5.391             | 5.117           |

| 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                                                     | 12.95      | 49.47               | 0.61           | 6.39           | 95.47                       | 0.51              | 43.32           |
| 1 - 2m                                                     | 12.97      | 49.56               | 0.66           | 6.96           | 115.36                      | 0.52              | 43.38           |
| 2 - 3m                                                     | 13.03      | 49.64               | 0.84           | 6.97           | 219.57                      | 0.55              | 43.4            |
| 3 - 4m                                                     | 13.07      | 49.76               | 0.68           | 6.91           | 454.27                      | 0.64              | 43.47           |
| 4 - 5m                                                     | 13.15      | 50.01               | 0.65           | 6.94           | 390.45                      | 0.75              | 43.62           |
| 5 - 6m                                                     | 13.19      | 50.12               | 0.71           | 7.73           | 338.56                      | 0.85              | 43.69           |

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

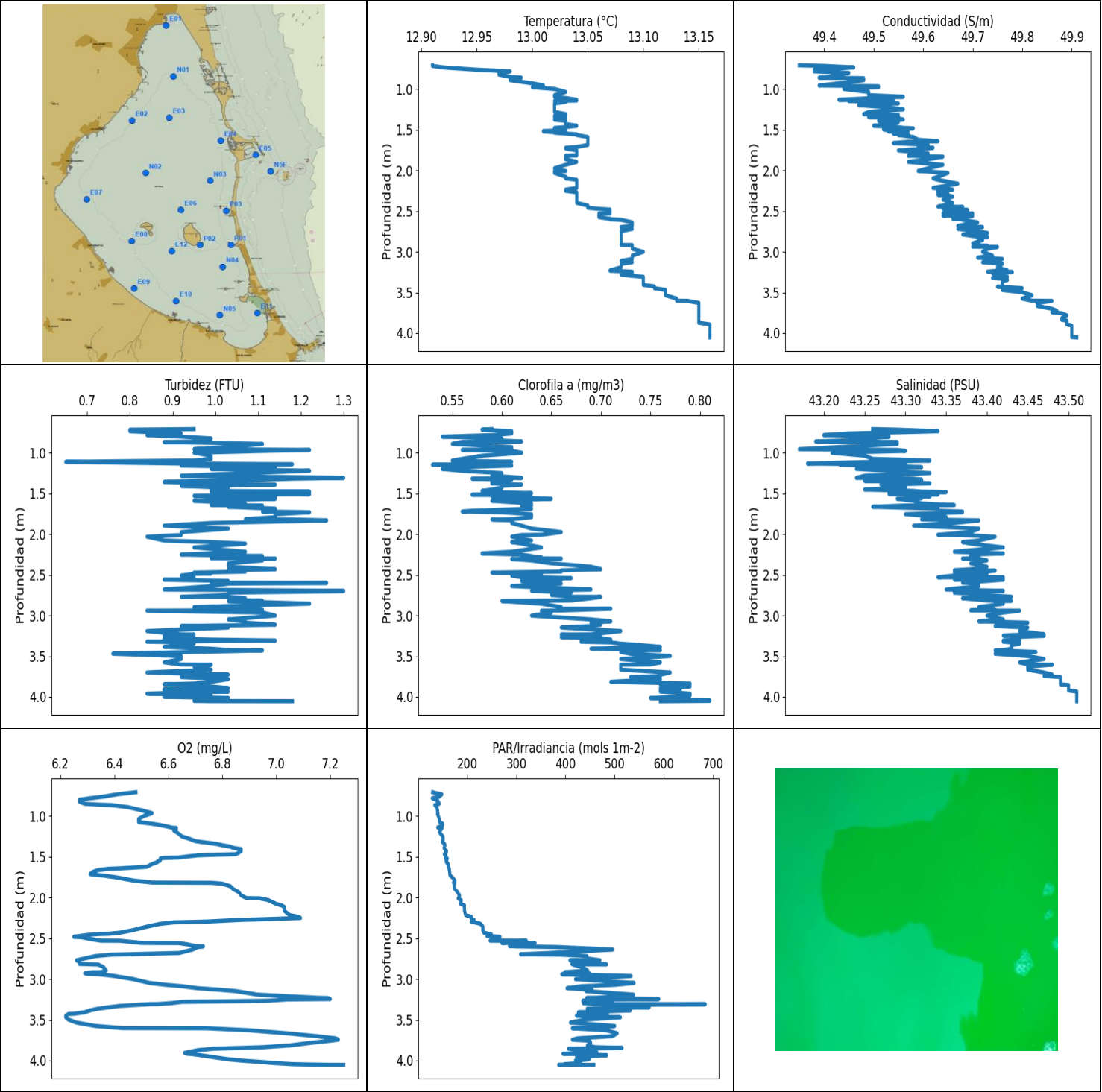
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.705                                                          | 12.92      | 49.45               | 0.8            | 6.11           | 89.85                       | 0.49              | 43.33           |
| 0.718                                                          | 12.92      | 49.46               | 0.8            | 6.11           | 98.81                       | 0.52              | 43.34           |
| 0.736                                                          | 12.92      | 49.46               | 0.99           | 6.09           | 79.84                       | 0.5               | 43.34           |
| 0.758                                                          | 12.92      | 49.45               | 0.61           | 6.06           | 94.22                       | 0.49              | 43.33           |
| 0.786                                                          | 12.93      | 49.5                | 0.42           | 6.16           | 89.54                       | 0.52              | 43.37           |
| 0.792                                                          | 12.94      | 49.49               | 0.53           | 6.24           | 102.9                       | 0.5               | 43.34           |
| 0.819                                                          | 12.95      | 49.45               | 0.57           | 6.32           | 97.26                       | 0.53              | 43.3            |
| 0.854                                                          | 12.97      | 49.45               | 0.46           | 6.4            | 86.1                        | 0.5               | 43.28           |
| 0.873                                                          | 12.97      | 49.46               | 0.53           | 6.48           | 83.49                       | 0.53              | 43.28           |
| 0.874                                                          | 12.96      | 49.47               | 0.46           | 6.56           | 114.64                      | 0.49              | 43.31           |
| 0.879                                                          | 12.96      | 49.47               | 0.8            | 6.57           | 112.74                      | 0.5               | 43.31           |
| 0.898                                                          | 12.96      | 49.49               | 0.69           | 6.58           | 87.1                        | 0.49              | 43.33           |
| 0.919                                                          | 12.97      | 49.48               | 0.53           | 6.59           | 92.45                       | 0.52              | 43.3            |
| 0.937                                                          | 12.97      | 49.46               | 0.46           | 6.59           | 96.46                       | 0.53              | 43.29           |
| 0.948                                                          | 12.97      | 49.49               | 0.69           | 6.59           | 100.78                      | 0.56              | 43.32           |
| 0.955                                                          | 12.97      | 49.48               | 0.57           | 6.59           | 88.63                       | 0.49              | 43.3            |
| 0.967                                                          | 12.98      | 49.51               | 0.46           | 6.58           | 108.11                      | 0.51              | 43.32           |
| 1.007                                                          | 12.98      | 49.54               | 0.8            | 6.57           | 100.31                      | 0.53              | 43.35           |
| 1.023                                                          | 12.98      | 49.58               | 0.53           | 6.54           | 98.49                       | 0.5               | 43.4            |
| 1.043                                                          | 12.99      | 49.52               | 0.46           | 6.54           | 109.57                      | 0.56              | 43.33           |
| 1.085                                                          | 13.0       | 49.5                | 0.61           | 6.55           | 103.81                      | 0.5               | 43.29           |
| 1.112                                                          | 12.96      | 49.56               | 0.5            | 6.57           | 109.06                      | 0.5               | 43.4            |
| 1.122                                                          | 12.96      | 49.55               | 0.65           | 6.55           | 109.8                       | 0.49              | 43.39           |
| 1.138                                                          | 12.95      | 49.57               | 0.53           | 6.53           | 118.2                       | 0.47              | 43.41           |
| 1.153                                                          | 12.94      | 49.54               | 0.57           | 6.63           | 113.63                      | 0.52              | 43.4            |
| 1.157                                                          | 12.93      | 49.53               | 0.42           | 7.09           | 109.88                      | 0.49              | 43.4            |
| 1.173                                                          | 12.94      | 49.54               | 0.61           | 7.16           | 114.35                      | 0.5               | 43.4            |
| 1.211                                                          | 12.94      | 49.52               | 0.8            | 7.21           | 104.03                      | 0.53              | 43.38           |
| 1.257                                                          | 12.95      | 49.52               | 0.57           | 7.23           | 98.49                       | 0.51              | 43.37           |
| 1.27                                                           | 12.95      | 49.56               | 0.69           | 7.17           | 110.49                      | 0.5               | 43.41           |
| 1.289                                                          | 12.96      | 49.56               | 0.57           | 7.1            | 117.3                       | 0.51              | 43.41           |
| 1.322                                                          | 12.97      | 49.52               | 0.72           | 7.02           | 100.03                      | 0.49              | 43.34           |
| 1.364                                                          | 12.98      | 49.53               | 0.92           | 6.95           | 102.69                      | 0.51              | 43.34           |
| 1.398                                                          | 12.98      | 49.53               | 0.69           | 6.9            | 103.19                      | 0.49              | 43.34           |
| 1.432                                                          | 12.97      | 49.58               | 0.8            | 6.85           | 109.17                      | 0.53              | 43.4            |
| 1.469                                                          | 12.98      | 49.54               | 0.84           | 6.82           | 103.69                      | 0.52              | 43.36           |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.493 | 12.99 | 49.53 | 0.65 | 6.81 | 113.55 | 0.5  | 43.34 |
| 1.515 | 12.98 | 49.58 | 0.5  | 6.82 | 112.87 | 0.49 | 43.4  |
| 1.552 | 12.98 | 49.59 | 0.57 | 6.83 | 110.49 | 0.5  | 43.4  |
| 1.608 | 12.99 | 49.55 | 1.14 | 6.87 | 110.62 | 0.52 | 43.35 |
| 1.635 | 12.98 | 49.56 | 0.46 | 7.13 | 119.71 | 0.53 | 43.38 |
| 1.644 | 12.98 | 49.59 | 0.57 | 7.17 | 120.05 | 0.51 | 43.4  |
| 1.674 | 12.99 | 49.57 | 0.61 | 7.21 | 119.41 | 0.49 | 43.37 |
| 1.693 | 12.98 | 49.59 | 0.72 | 7.16 | 115.12 | 0.56 | 43.41 |
| 1.718 | 12.97 | 49.59 | 0.92 | 7.12 | 126.5  | 0.5  | 43.41 |
| 1.761 | 12.98 | 49.56 | 0.8  | 7.08 | 125.83 | 0.52 | 43.37 |
| 1.807 | 12.98 | 49.58 | 0.72 | 7.06 | 129.08 | 0.53 | 43.39 |
| 1.85  | 12.98 | 49.6  | 0.8  | 7.04 | 123.26 | 0.53 | 43.41 |
| 1.874 | 12.98 | 49.61 | 0.5  | 7.04 | 126.01 | 0.56 | 43.42 |
| 1.885 | 12.99 | 49.58 | 0.57 | 7.05 | 133.06 | 0.56 | 43.39 |
| 1.904 | 12.99 | 49.57 | 0.65 | 7.07 | 137.07 | 0.55 | 43.37 |
| 1.927 | 13.0  | 49.59 | 0.72 | 7.09 | 127.65 | 0.53 | 43.38 |
| 1.941 | 13.0  | 49.6  | 0.5  | 7.25 | 125.45 | 0.52 | 43.4  |
| 1.954 | 12.99 | 49.62 | 0.76 | 7.31 | 135.02 | 0.53 | 43.42 |
| 1.996 | 13.0  | 49.58 | 0.61 | 7.34 | 136.91 | 0.53 | 43.37 |
| 2.048 | 13.01 | 49.59 | 0.65 | 7.36 | 127.86 | 0.52 | 43.37 |
| 2.082 | 13.0  | 49.6  | 0.61 | 7.35 | 126.36 | 0.5  | 43.39 |
| 2.095 | 13.0  | 49.6  | 0.57 | 7.32 | 126.62 | 0.53 | 43.39 |
| 2.116 | 13.0  | 49.62 | 0.65 | 7.26 | 147.21 | 0.53 | 43.41 |
| 2.149 | 13.0  | 49.59 | 0.61 | 7.19 | 151.22 | 0.53 | 43.38 |
| 2.181 | 13.01 | 49.6  | 0.61 | 7.12 | 148.48 | 0.51 | 43.38 |
| 2.194 | 13.01 | 49.6  | 0.69 | 7.06 | 138.89 | 0.53 | 43.38 |
| 2.215 | 13.01 | 49.65 | 0.53 | 7.0  | 142.77 | 0.52 | 43.43 |
| 2.259 | 13.02 | 49.61 | 0.72 | 6.96 | 139.54 | 0.52 | 43.38 |
| 2.313 | 13.02 | 49.6  | 0.95 | 6.93 | 160.39 | 0.53 | 43.36 |
| 2.35  | 13.03 | 49.59 | 0.65 | 6.91 | 192.75 | 0.54 | 43.35 |
| 2.37  | 13.02 | 49.62 | 0.72 | 6.91 | 194.14 | 0.56 | 43.38 |
| 2.384 | 13.02 | 49.63 | 0.65 | 6.92 | 171.5  | 0.55 | 43.39 |
| 2.401 | 13.02 | 49.61 | 0.57 | 6.94 | 156.75 | 0.55 | 43.37 |
| 2.44  | 13.03 | 49.65 | 0.76 | 6.97 | 160.8  | 0.5  | 43.41 |
| 2.504 | 13.03 | 49.65 | 0.65 | 7.0  | 179.76 | 0.53 | 43.4  |
| 2.556 | 13.04 | 49.59 | 0.84 | 7.01 | 219.32 | 0.58 | 43.33 |
| 2.559 | 13.02 | 49.68 | 0.53 | 7.04 | 167.81 | 0.56 | 43.44 |
| 2.565 | 13.03 | 49.63 | 0.53 | 7.07 | 166.37 | 0.55 | 43.38 |
| 2.579 | 13.04 | 49.62 | 0.57 | 7.12 | 189.61 | 0.58 | 43.36 |
| 2.599 | 13.03 | 49.67 | 0.92 | 7.18 | 252.33 | 0.59 | 43.42 |
| 2.619 | 13.03 | 49.64 | 0.88 | 7.24 | 297.74 | 0.56 | 43.4  |
| 2.646 | 13.03 | 49.64 | 0.92 | 7.29 | 238.29 | 0.6  | 43.4  |
| 2.682 | 13.03 | 49.66 | 0.8  | 7.33 | 194.73 | 0.55 | 43.41 |
| 2.718 | 13.03 | 49.65 | 0.88 | 7.34 | 179.14 | 0.56 | 43.41 |
| 2.744 | 13.03 | 49.64 | 0.95 | 7.33 | 201.34 | 0.55 | 43.4  |
| 2.755 | 13.03 | 49.64 | 0.72 | 7.28 | 242.97 | 0.54 | 43.4  |
| 2.756 | 13.03 | 49.67 | 0.69 | 7.22 | 255.69 | 0.63 | 43.43 |
| 2.757 | 13.04 | 49.68 | 0.8  | 6.93 | 203.78 | 0.6  | 43.43 |
| 2.762 | 13.03 | 49.66 | 1.18 | 6.87 | 208.7  | 0.56 | 43.41 |
| 2.771 | 13.04 | 49.63 | 1.18 | 6.82 | 246.78 | 0.58 | 43.38 |
| 2.778 | 13.04 | 49.67 | 1.34 | 6.78 | 275.24 | 0.56 | 43.42 |
| 2.781 | 13.03 | 49.66 | 1.03 | 6.65 | 203.12 | 0.53 | 43.41 |
| 2.785 | 13.03 | 49.69 | 0.99 | 6.61 | 201.24 | 0.56 | 43.44 |
| 2.792 | 13.03 | 49.65 | 1.3  | 6.57 | 294.51 | 0.54 | 43.4  |
| 2.797 | 13.03 | 49.66 | 0.99 | 6.53 | 404.49 | 0.54 | 43.41 |
| 2.814 | 13.03 | 49.72 | 1.37 | 6.5  | 470.8  | 0.55 | 43.47 |
| 2.903 | 13.03 | 49.71 | 0.65 | 6.44 | 381.9  | 0.53 | 43.46 |
| 2.913 | 13.04 | 49.67 | 1.26 | 6.48 | 337.59 | 0.59 | 43.41 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.934 | 13.05 | 49.7  | 1.22 | 6.54 | 309.49 | 0.58 | 43.43 |
| 2.971 | 13.05 | 49.72 | 1.22 | 6.61 | 331.55 | 0.61 | 43.45 |
| 2.997 | 13.05 | 49.66 | 0.92 | 6.69 | 282.28 | 0.66 | 43.39 |
| 3.0   | 13.05 | 49.69 | 0.99 | 6.78 | 303.24 | 0.63 | 43.42 |
| 3.003 | 13.05 | 49.76 | 0.84 | 6.83 | 377.58 | 0.59 | 43.49 |
| 3.054 | 13.05 | 49.78 | 0.76 | 6.88 | 473.98 | 0.59 | 43.51 |
| 3.124 | 13.06 | 49.69 | 0.65 | 6.92 | 302.47 | 0.63 | 43.4  |
| 3.166 | 13.07 | 49.71 | 0.65 | 6.95 | 334.79 | 0.6  | 43.42 |
| 3.183 | 13.05 | 49.75 | 0.61 | 6.97 | 530.25 | 0.65 | 43.49 |
| 3.193 | 13.04 | 49.74 | 0.84 | 6.99 | 492.0  | 0.63 | 43.48 |
| 3.216 | 13.05 | 49.73 | 0.61 | 7.02 | 455.14 | 0.65 | 43.46 |
| 3.246 | 13.06 | 49.74 | 0.53 | 7.04 | 612.19 | 0.63 | 43.46 |
| 3.251 | 13.06 | 49.75 | 0.65 | 7.1  | 321.41 | 0.58 | 43.47 |
| 3.254 | 13.05 | 49.77 | 0.84 | 7.12 | 509.64 | 0.63 | 43.49 |
| 3.281 | 13.06 | 49.73 | 0.95 | 7.14 | 509.76 | 0.63 | 43.45 |
| 3.32  | 13.06 | 49.73 | 1.03 | 7.13 | 495.78 | 0.64 | 43.44 |
| 3.364 | 13.06 | 49.76 | 0.8  | 7.12 | 520.63 | 0.65 | 43.48 |
| 3.388 | 13.06 | 49.77 | 0.46 | 7.01 | 525.35 | 0.63 | 43.49 |
| 3.408 | 13.06 | 49.8  | 0.72 | 6.95 | 472.33 | 0.66 | 43.52 |
| 3.457 | 13.07 | 49.74 | 0.61 | 6.88 | 391.58 | 0.64 | 43.45 |
| 3.533 | 13.08 | 49.78 | 0.57 | 6.82 | 499.47 | 0.63 | 43.47 |
| 3.61  | 13.08 | 49.78 | 0.69 | 6.76 | 460.34 | 0.65 | 43.47 |
| 3.657 | 13.09 | 49.73 | 0.53 | 6.72 | 483.3  | 0.64 | 43.42 |
| 3.666 | 13.09 | 49.77 | 0.46 | 6.7  | 595.68 | 0.65 | 43.46 |
| 3.691 | 13.08 | 49.88 | 0.46 | 6.69 | 345.67 | 0.65 | 43.58 |
| 3.756 | 13.08 | 49.82 | 0.69 | 6.7  | 444.09 | 0.71 | 43.51 |
| 3.849 | 13.1  | 49.79 | 0.38 | 6.72 | 457.04 | 0.68 | 43.47 |
| 3.941 | 13.1  | 49.85 | 0.61 | 6.76 | 442.96 | 0.68 | 43.52 |
| 4.003 | 13.09 | 49.84 | 0.42 | 6.8  | 498.08 | 0.67 | 43.52 |
| 4.04  | 13.09 | 49.83 | 0.61 | 6.85 | 372.97 | 0.66 | 43.51 |
| 4.056 | 13.09 | 49.85 | 0.53 | 6.9  | 358.98 | 0.69 | 43.53 |
| 4.06  | 13.1  | 49.87 | 0.65 | 6.94 | 471.24 | 0.66 | 43.54 |
| 4.077 | 13.11 | 49.88 | 0.5  | 6.96 | 419.29 | 0.69 | 43.54 |
| 4.14  | 13.11 | 49.91 | 0.53 | 6.96 | 331.7  | 0.72 | 43.57 |
| 4.205 | 13.12 | 49.82 | 0.42 | 6.94 | 303.81 | 0.72 | 43.46 |
| 4.269 | 13.12 | 49.92 | 0.65 | 6.9  | 392.03 | 0.72 | 43.57 |
| 4.342 | 13.12 | 49.94 | 0.57 | 6.84 | 471.35 | 0.71 | 43.59 |
| 4.415 | 13.13 | 49.91 | 0.65 | 6.81 | 526.09 | 0.72 | 43.55 |
| 4.472 | 13.13 | 49.97 | 0.65 | 6.79 | 349.29 | 0.72 | 43.6  |
| 4.508 | 13.14 | 49.97 | 0.69 | 6.8  | 303.24 | 0.71 | 43.59 |
| 4.542 | 13.14 | 50.0  | 0.53 | 6.82 | 334.4  | 0.73 | 43.62 |
| 4.564 | 13.15 | 49.97 | 0.5  | 6.87 | 431.01 | 0.73 | 43.58 |
| 4.566 | 13.16 | 50.04 | 0.57 | 6.95 | 415.32 | 0.76 | 43.64 |
| 4.573 | 13.16 | 50.05 | 0.53 | 6.98 | 436.64 | 0.79 | 43.64 |
| 4.596 | 13.17 | 50.06 | 0.53 | 6.98 | 334.87 | 0.76 | 43.65 |
| 4.618 | 13.17 | 50.04 | 0.57 | 6.97 | 338.69 | 0.72 | 43.62 |
| 4.628 | 13.17 | 50.06 | 0.5  | 6.95 | 488.82 | 0.72 | 43.65 |
| 4.649 | 13.17 | 50.08 | 0.65 | 6.92 | 433.22 | 0.76 | 43.66 |
| 4.68  | 13.18 | 50.07 | 0.57 | 6.9  | 387.69 | 0.76 | 43.65 |
| 4.705 | 13.17 | 50.08 | 0.61 | 6.88 | 378.81 | 0.79 | 43.66 |
| 4.728 | 13.18 | 50.09 | 0.53 | 6.88 | 351.81 | 0.79 | 43.67 |
| 4.761 | 13.18 | 50.09 | 0.92 | 6.89 | 367.14 | 0.76 | 43.67 |
| 4.8   | 13.18 | 50.09 | 1.37 | 6.91 | 402.25 | 0.77 | 43.67 |
| 4.841 | 13.18 | 50.09 | 1.3  | 6.93 | 338.38 | 0.79 | 43.67 |
| 4.874 | 13.18 | 50.09 | 1.37 | 6.95 | 329.25 | 0.77 | 43.67 |
| 4.894 | 13.18 | 50.1  | 0.88 | 6.96 | 313.24 | 0.81 | 43.67 |
| 4.911 | 13.18 | 50.1  | 0.53 | 6.98 | 299.05 | 0.81 | 43.67 |
| 4.924 | 13.18 | 50.1  | 0.5  | 7.01 | 379.6  | 0.86 | 43.67 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.937 | 13.18 | 50.1  | 0.57 | 7.04 | 456.09 | 0.81 | 43.68 |
| 4.96  | 13.18 | 50.11 | 0.61 | 7.08 | 396.23 | 0.8  | 43.68 |
| 4.967 | 13.19 | 50.11 | 0.57 | 7.29 | 449.37 | 0.8  | 43.68 |
| 4.985 | 13.19 | 50.11 | 0.57 | 7.36 | 415.32 | 0.79 | 43.68 |
| 5.013 | 13.19 | 50.11 | 0.53 | 7.42 | 382.69 | 0.79 | 43.68 |
| 5.023 | 13.19 | 50.11 | 0.38 | 7.49 | 316.97 | 0.82 | 43.68 |
| 5.032 | 13.19 | 50.12 | 0.57 | 7.57 | 330.55 | 0.82 | 43.68 |
| 5.042 | 13.19 | 50.12 | 0.69 | 7.65 | 369.62 | 0.85 | 43.68 |
| 5.073 | 13.19 | 50.12 | 0.8  | 7.71 | 374.36 | 0.85 | 43.68 |
| 5.101 | 13.19 | 50.12 | 0.88 | 7.74 | 361.9  | 0.85 | 43.68 |
| 5.117 | 13.19 | 50.13 | 0.65 | 7.75 | 361.15 | 0.82 | 43.69 |
| 5.156 | 13.19 | 50.13 | 1.37 | 7.75 | 371.59 | 0.89 | 43.69 |
| 5.202 | 13.19 | 50.12 | 1.03 | 7.76 | 370.65 | 0.8  | 43.68 |
| 5.237 | 13.19 | 50.12 | 0.95 | 7.75 | 323.87 | 0.83 | 43.68 |
| 5.298 | 13.19 | 50.13 | 0.84 | 7.74 | 303.03 | 0.86 | 43.69 |
| 5.364 | 13.19 | 50.12 | 0.53 | 7.74 | 313.39 | 0.85 | 43.68 |
| 5.391 | 13.19 | 50.13 | 0.46 | 7.67 | 288.44 | 0.9  | 43.69 |
| 5.397 | 13.19 | 50.13 | 0.46 | 7.65 | 332.62 | 0.9  | 43.69 |
| 5.427 | 13.19 | 50.13 | 0.46 | 7.64 | 388.32 | 0.88 | 43.69 |
| 5.474 | 13.19 | 50.13 | 0.8  | 7.64 | 377.85 | 0.85 | 43.69 |
| 5.519 | 13.19 | 50.12 | 0.53 | 7.66 | 326.59 | 0.84 | 43.69 |
| 5.547 | 13.19 | 50.13 | 0.53 | 7.71 | 326.66 | 0.89 | 43.69 |
| 5.568 | 13.19 | 50.12 | 0.57 | 7.76 | 337.83 | 0.9  | 43.69 |
| 5.612 | 13.19 | 50.12 | 0.72 | 7.81 | 348.16 | 0.88 | 43.69 |
| 5.669 | 13.19 | 50.12 | 0.84 | 7.85 | 339.95 | 0.89 | 43.69 |
| 5.698 | 13.19 | 50.13 | 1.03 | 7.93 | 247.75 | 0.81 | 43.69 |
| 5.701 | 13.19 | 50.13 | 0.69 | 7.92 | 301.07 | 0.82 | 43.69 |
| 5.704 | 13.19 | 50.13 | 0.69 | 7.92 | 376.8  | 0.86 | 43.69 |
| 5.706 | 13.19 | 50.13 | 0.76 | 7.92 | 292.07 | 0.86 | 43.69 |



| 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                                                                       | 12.91      | 49.35               | 0.65           | 6.22           | 129.44                      | 0.53              | 43.17           |
| PROF (metros)                                                                | 0.706      | 0.706               | 1.109          | 3.448          | 0.78                        | 1.145             | 0.954           |
| MÁXIMO                                                                       | 13.16      | 13.16               | 1.3            | 7.25           | 684.23                      | 0.81              | 43.51           |
| PROF (metros)                                                                | 3.894      | 4.053               | 1.306          | 4.054          | 3.308                       | 4.045             | 3.936           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E11 - Punto 016                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 12.97      | 49.43               | 0.96           | 6.41           | 138.94                      | 0.59              | 43.25           |
| 1 - 2m                                                     | 13.03      | 49.55               | 1.05           | 6.63           | 158.28                      | 0.6               | 43.31           |
| 2 - 3m                                                     | 13.06      | 49.67               | 1.02           | 6.56           | 308.89                      | 0.64              | 43.39           |
| 3 - 4m                                                     | 13.12      | 49.81               | 0.96           | 6.7            | 468.45                      | 0.73              | 43.46           |
| 4 - 5m                                                     | 13.16      | 49.9                | 1.0            | 7.06           | 421.56                      | 0.78              | 43.51           |

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

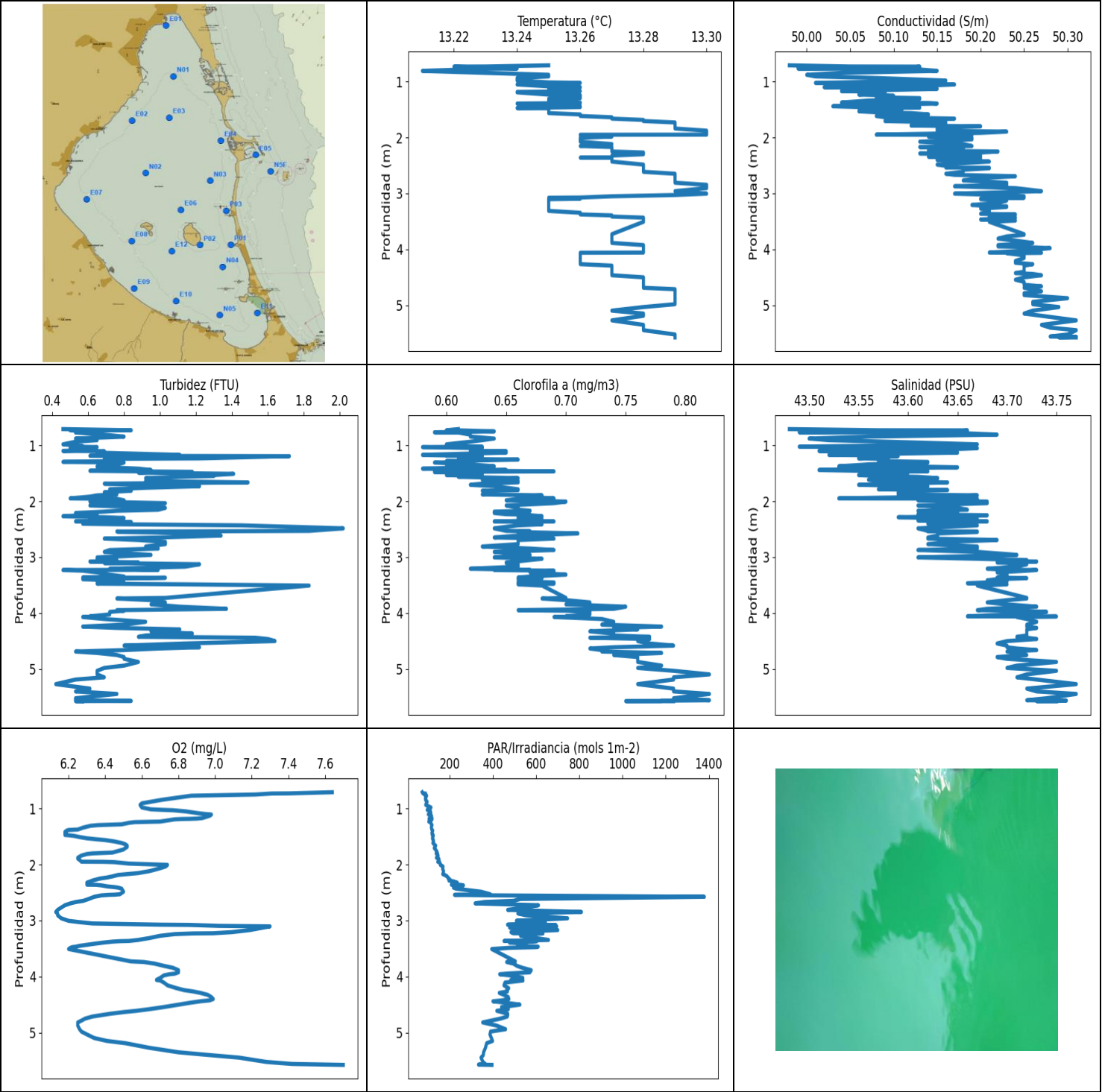
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.706                                                          | 12.91      | 49.35               | 0.95           | 6.48           | 130.31                      | 0.59              | 43.26           |
| 0.713                                                          | 12.91      | 49.4                | 0.8            | 6.46           | 134.11                      | 0.58              | 43.29           |
| 0.732                                                          | 12.92      | 49.46               | 0.8            | 6.41           | 148.86                      | 0.61              | 43.34           |
| 0.76                                                           | 12.95      | 49.38               | 0.92           | 6.36           | 143.94                      | 0.61              | 43.23           |
| 0.78                                                           | 12.98      | 49.38               | 0.84           | 6.31           | 129.44                      | 0.59              | 43.2            |
| 0.799                                                          | 12.97      | 49.45               | 0.92           | 6.27           | 136.91                      | 0.54              | 43.28           |
| 0.821                                                          | 12.97      | 49.43               | 0.99           | 6.27           | 141.65                      | 0.6               | 43.25           |
| 0.848                                                          | 12.98      | 49.41               | 0.95           | 6.29           | 143.67                      | 0.6               | 43.22           |
| 0.858                                                          | 12.99      | 49.39               | 0.99           | 6.34           | 137.7                       | 0.62              | 43.19           |
| 0.864                                                          | 12.98      | 49.48               | 0.88           | 6.39           | 134.61                      | 0.56              | 43.29           |
| 0.889                                                          | 12.98      | 49.48               | 1.11           | 6.45           | 138.79                      | 0.55              | 43.29           |
| 0.927                                                          | 13.0       | 49.43               | 1.03           | 6.5            | 140.09                      | 0.61              | 43.22           |
| 0.954                                                          | 13.01      | 49.39               | 0.95           | 6.53           | 140.31                      | 0.61              | 43.17           |
| 0.963                                                          | 13.01      | 49.51               | 1.22           | 6.54           | 141.03                      | 0.56              | 43.29           |
| 0.975                                                          | 13.0       | 49.51               | 1.11           | 6.53           | 140.02                      | 0.61              | 43.3            |
| 0.997                                                          | 13.02      | 49.44               | 0.95           | 6.51           | 141.55                      | 0.62              | 43.21           |
| 1.034                                                          | 13.03      | 49.49               | 0.99           | 6.49           | 143.87                      | 0.58              | 43.25           |
| 1.073                                                          | 13.02      | 49.49               | 0.99           | 6.49           | 144.47                      | 0.56              | 43.26           |
| 1.093                                                          | 13.02      | 49.56               | 0.95           | 6.54           | 150.73                      | 0.55              | 43.33           |
| 1.109                                                          | 13.03      | 49.5                | 0.65           | 6.57           | 150.56                      | 0.61              | 43.26           |
| 1.13                                                           | 13.04      | 49.43               | 0.92           | 6.6            | 144.64                      | 0.55              | 43.18           |
| 1.139                                                          | 13.04      | 49.51               | 1.18           | 6.61           | 140.54                      | 0.58              | 43.26           |
| 1.143                                                          | 13.02      | 49.54               | 0.99           | 6.62           | 145.45                      | 0.58              | 43.3            |
| 1.145                                                          | 13.03      | 49.45               | 0.92           | 6.63           | 149.37                      | 0.53              | 43.22           |
| 1.155                                                          | 13.03      | 49.51               | 0.92           | 6.63           | 148.37                      | 0.61              | 43.27           |
| 1.175                                                          | 13.02      | 49.55               | 1.14           | 6.62           | 145.95                      | 0.56              | 43.32           |
| 1.196                                                          | 13.02      | 49.47               | 0.99           | 6.63           | 144.17                      | 0.54              | 43.24           |
| 1.219                                                          | 13.02      | 49.52               | 1.22           | 6.64           | 146.63                      | 0.56              | 43.28           |
| 1.248                                                          | 13.02      | 49.56               | 1.07           | 6.65           | 151.05                      | 0.6               | 43.33           |
| 1.28                                                           | 13.02      | 49.49               | 0.92           | 6.68           | 151.64                      | 0.59              | 43.25           |
| 1.306                                                          | 13.03      | 49.48               | 1.3            | 6.7            | 151.08                      | 0.62              | 43.24           |
| 1.316                                                          | 13.03      | 49.55               | 1.18           | 6.72           | 150.07                      | 0.57              | 43.31           |
| 1.328                                                          | 13.02      | 49.55               | 1.11           | 6.75           | 151.89                      | 0.61              | 43.32           |
| 1.342                                                          | 13.02      | 49.49               | 0.95           | 6.78           | 154.59                      | 0.6               | 43.25           |
| 1.357                                                          | 13.03      | 49.55               | 0.88           | 6.8            | 155.31                      | 0.59              | 43.31           |
| 1.374                                                          | 13.02      | 49.56               | 0.99           | 6.83           | 154.05                      | 0.59              | 43.33           |
| 1.389                                                          | 13.03      | 49.51               | 1.14           | 6.84           | 153.52                      | 0.62              | 43.27           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.405 | 13.03 | 49.55 | 0.92 | 6.87 | 154.73 | 0.6  | 43.3  |
| 1.428 | 13.03 | 49.54 | 1.03 | 6.87 | 158.47 | 0.6  | 43.3  |
| 1.45  | 13.04 | 49.5  | 0.99 | 6.86 | 157.52 | 0.59 | 43.25 |
| 1.467 | 13.03 | 49.55 | 0.99 | 6.85 | 153.87 | 0.58 | 43.31 |
| 1.476 | 13.02 | 49.56 | 1.22 | 6.75 | 157.37 | 0.6  | 43.32 |
| 1.481 | 13.02 | 49.58 | 0.99 | 6.71 | 156.5  | 0.59 | 43.35 |
| 1.495 | 13.02 | 49.52 | 1.11 | 6.67 | 155.81 | 0.63 | 43.28 |
| 1.507 | 13.03 | 49.53 | 1.22 | 6.64 | 157.3  | 0.61 | 43.28 |
| 1.51  | 13.02 | 49.57 | 0.99 | 6.61 | 156.75 | 0.62 | 43.34 |
| 1.514 | 13.01 | 49.55 | 1.07 | 6.58 | 158.25 | 0.57 | 43.33 |
| 1.52  | 13.01 | 49.53 | 1.03 | 6.57 | 159.98 | 0.62 | 43.3  |
| 1.528 | 13.02 | 49.55 | 0.95 | 6.57 | 159.24 | 0.6  | 43.32 |
| 1.535 | 13.02 | 49.56 | 0.99 | 6.57 | 157.26 | 0.59 | 43.33 |
| 1.546 | 13.03 | 49.54 | 1.14 | 6.57 | 157.66 | 0.63 | 43.3  |
| 1.555 | 13.04 | 49.57 | 1.03 | 6.56 | 158.91 | 0.63 | 43.32 |
| 1.564 | 13.04 | 49.55 | 1.14 | 6.56 | 158.07 | 0.65 | 43.29 |
| 1.588 | 13.05 | 49.58 | 0.95 | 6.54 | 161.96 | 0.59 | 43.31 |
| 1.622 | 13.05 | 49.59 | 1.07 | 6.52 | 162.75 | 0.63 | 43.32 |
| 1.641 | 13.05 | 49.63 | 0.99 | 6.42 | 163.43 | 0.62 | 43.36 |
| 1.646 | 13.05 | 49.57 | 1.11 | 6.38 | 164.19 | 0.63 | 43.3  |
| 1.662 | 13.05 | 49.54 | 1.03 | 6.34 | 164.19 | 0.62 | 43.26 |
| 1.685 | 13.05 | 49.61 | 1.14 | 6.32 | 164.88 | 0.63 | 43.34 |
| 1.711 | 13.04 | 49.59 | 1.14 | 6.31 | 165.14 | 0.57 | 43.34 |
| 1.72  | 13.03 | 49.62 | 1.11 | 6.33 | 165.37 | 0.56 | 43.37 |
| 1.729 | 13.03 | 49.61 | 1.22 | 6.36 | 165.8  | 0.6  | 43.37 |
| 1.753 | 13.04 | 49.55 | 1.14 | 6.41 | 170.55 | 0.63 | 43.3  |
| 1.79  | 13.04 | 49.61 | 1.14 | 6.47 | 175.56 | 0.63 | 43.35 |
| 1.815 | 13.04 | 49.58 | 1.07 | 6.54 | 172.54 | 0.61 | 43.32 |
| 1.818 | 13.03 | 49.57 | 1.18 | 6.76 | 175.48 | 0.59 | 43.32 |
| 1.829 | 13.03 | 49.64 | 1.26 | 6.8  | 174.11 | 0.61 | 43.39 |
| 1.861 | 13.03 | 49.61 | 0.99 | 6.83 | 173.58 | 0.61 | 43.36 |
| 1.894 | 13.04 | 49.57 | 0.88 | 6.84 | 175.28 | 0.62 | 43.31 |
| 1.93  | 13.03 | 49.64 | 1.03 | 6.86 | 180.43 | 0.63 | 43.39 |
| 1.973 | 13.02 | 49.61 | 0.92 | 6.87 | 184.79 | 0.66 | 43.38 |
| 2.006 | 13.03 | 49.59 | 0.92 | 6.89 | 183.21 | 0.64 | 43.34 |
| 2.009 | 13.02 | 49.6  | 0.92 | 6.94 | 182.03 | 0.62 | 43.37 |
| 2.03  | 13.02 | 49.65 | 0.84 | 6.97 | 188.25 | 0.61 | 43.41 |
| 2.077 | 13.03 | 49.63 | 0.88 | 7.0  | 187.29 | 0.63 | 43.39 |
| 2.096 | 13.03 | 49.62 | 0.99 | 7.02 | 194.96 | 0.61 | 43.37 |
| 2.115 | 13.04 | 49.63 | 1.07 | 7.03 | 194.64 | 0.62 | 43.38 |
| 2.162 | 13.04 | 49.67 | 0.95 | 7.03 | 194.91 | 0.64 | 43.42 |
| 2.215 | 13.04 | 49.62 | 1.07 | 7.05 | 197.36 | 0.61 | 43.36 |
| 2.235 | 13.03 | 49.66 | 0.99 | 7.08 | 208.8  | 0.58 | 43.42 |
| 2.25  | 13.03 | 49.63 | 0.92 | 7.09 | 207.98 | 0.62 | 43.38 |
| 2.268 | 13.04 | 49.63 | 1.11 | 6.93 | 211.53 | 0.63 | 43.38 |
| 2.273 | 13.04 | 49.64 | 1.07 | 6.87 | 214.44 | 0.63 | 43.39 |
| 2.285 | 13.04 | 49.65 | 1.03 | 6.8  | 214.29 | 0.64 | 43.39 |
| 2.295 | 13.04 | 49.64 | 0.99 | 6.74 | 211.38 | 0.62 | 43.38 |
| 2.299 | 13.04 | 49.63 | 1.14 | 6.68 | 208.75 | 0.66 | 43.37 |
| 2.304 | 13.04 | 49.65 | 1.11 | 6.62 | 215.59 | 0.61 | 43.39 |
| 2.322 | 13.04 | 49.66 | 1.11 | 6.57 | 227.71 | 0.63 | 43.4  |
| 2.357 | 13.04 | 49.64 | 1.03 | 6.52 | 232.4  | 0.65 | 43.38 |
| 2.399 | 13.04 | 49.66 | 1.03 | 6.47 | 232.02 | 0.69 | 43.4  |
| 2.431 | 13.05 | 49.64 | 1.14 | 6.42 | 234.45 | 0.7  | 43.38 |
| 2.444 | 13.05 | 49.63 | 1.03 | 6.38 | 243.43 | 0.66 | 43.36 |
| 2.448 | 13.05 | 49.68 | 1.03 | 6.34 | 249.31 | 0.66 | 43.41 |
| 2.459 | 13.05 | 49.67 | 1.07 | 6.3  | 243.48 | 0.66 | 43.4  |
| 2.472 | 13.06 | 49.64 | 0.95 | 6.27 | 240.62 | 0.59 | 43.36 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.481 | 13.07 | 49.67 | 0.99 | 6.25 | 267.13 | 0.63 | 43.38 |
| 2.487 | 13.07 | 49.69 | 0.95 | 6.28 | 263.51 | 0.64 | 43.4  |
| 2.508 | 13.07 | 49.65 | 0.92 | 6.31 | 250.58 | 0.61 | 43.36 |
| 2.529 | 13.07 | 49.64 | 0.95 | 6.35 | 247.01 | 0.62 | 43.34 |
| 2.53  | 13.06 | 49.7  | 0.95 | 6.42 | 320.66 | 0.64 | 43.42 |
| 2.54  | 13.06 | 49.67 | 0.95 | 6.45 | 304.72 | 0.67 | 43.39 |
| 2.556 | 13.06 | 49.64 | 0.95 | 6.5  | 270.81 | 0.63 | 43.36 |
| 2.559 | 13.06 | 49.7  | 0.88 | 6.64 | 338.53 | 0.66 | 43.42 |
| 2.574 | 13.06 | 49.68 | 1.03 | 6.67 | 332.32 | 0.62 | 43.4  |
| 2.595 | 13.07 | 49.66 | 0.99 | 6.7  | 286.24 | 0.64 | 43.37 |
| 2.599 | 13.07 | 49.68 | 1.26 | 6.73 | 300.44 | 0.63 | 43.39 |
| 2.607 | 13.08 | 49.68 | 1.03 | 6.71 | 382.34 | 0.66 | 43.38 |
| 2.638 | 13.09 | 49.71 | 0.99 | 6.69 | 496.7  | 0.61 | 43.39 |
| 2.68  | 13.09 | 49.67 | 0.88 | 6.64 | 368.76 | 0.69 | 43.35 |
| 2.696 | 13.08 | 49.72 | 1.3  | 6.45 | 308.85 | 0.63 | 43.42 |
| 2.7   | 13.08 | 49.69 | 1.3  | 6.39 | 390.04 | 0.64 | 43.39 |
| 2.718 | 13.09 | 49.67 | 1.03 | 6.33 | 443.79 | 0.67 | 43.36 |
| 2.747 | 13.08 | 49.71 | 1.03 | 6.29 | 442.66 | 0.65 | 43.4  |
| 2.769 | 13.08 | 49.73 | 0.92 | 6.26 | 470.15 | 0.67 | 43.43 |
| 2.77  | 13.08 | 49.71 | 1.03 | 6.26 | 409.3  | 0.7  | 43.41 |
| 2.787 | 13.08 | 49.68 | 1.07 | 6.27 | 453.45 | 0.69 | 43.37 |
| 2.814 | 13.08 | 49.71 | 1.07 | 6.27 | 413.11 | 0.67 | 43.4  |
| 2.819 | 13.08 | 49.73 | 1.11 | 6.32 | 483.63 | 0.62 | 43.43 |
| 2.821 | 13.08 | 49.71 | 1.03 | 6.34 | 415.32 | 0.6  | 43.41 |
| 2.854 | 13.08 | 49.72 | 1.22 | 6.36 | 433.92 | 0.64 | 43.42 |
| 2.896 | 13.08 | 49.7  | 0.95 | 6.37 | 445.33 | 0.66 | 43.39 |
| 2.916 | 13.08 | 49.71 | 0.95 | 6.35 | 398.81 | 0.66 | 43.4  |
| 2.917 | 13.09 | 49.71 | 1.07 | 6.32 | 421.92 | 0.71 | 43.39 |
| 2.929 | 13.09 | 49.73 | 1.11 | 6.29 | 448.44 | 0.68 | 43.41 |
| 2.937 | 13.09 | 49.7  | 0.99 | 6.3  | 444.2  | 0.66 | 43.38 |
| 2.94  | 13.09 | 49.75 | 0.84 | 6.34 | 392.67 | 0.64 | 43.44 |
| 2.963 | 13.09 | 49.73 | 1.11 | 6.4  | 533.7  | 0.65 | 43.42 |
| 3.001 | 13.1  | 49.72 | 1.14 | 6.47 | 420.55 | 0.63 | 43.4  |
| 3.048 | 13.09 | 49.74 | 1.03 | 6.53 | 539.67 | 0.69 | 43.42 |
| 3.071 | 13.09 | 49.71 | 1.07 | 6.59 | 500.51 | 0.71 | 43.39 |
| 3.088 | 13.09 | 49.76 | 1.07 | 6.65 | 433.22 | 0.69 | 43.45 |
| 3.113 | 13.08 | 49.74 | 1.14 | 6.71 | 403.27 | 0.7  | 43.43 |
| 3.129 | 13.09 | 49.72 | 0.92 | 6.78 | 454.3  | 0.69 | 43.41 |
| 3.148 | 13.08 | 49.76 | 1.03 | 6.85 | 441.63 | 0.66 | 43.45 |
| 3.191 | 13.08 | 49.75 | 0.84 | 6.93 | 538.67 | 0.72 | 43.44 |
| 3.231 | 13.07 | 49.77 | 0.92 | 7.16 | 463.76 | 0.69 | 43.47 |
| 3.233 | 13.07 | 49.75 | 0.95 | 7.19 | 443.27 | 0.66 | 43.45 |
| 3.245 | 13.09 | 49.73 | 0.92 | 7.2  | 589.77 | 0.69 | 43.42 |
| 3.25  | 13.08 | 49.78 | 0.88 | 7.04 | 500.74 | 0.7  | 43.47 |
| 3.266 | 13.09 | 49.74 | 0.95 | 6.97 | 435.33 | 0.66 | 43.43 |
| 3.28  | 13.08 | 49.75 | 0.88 | 6.65 | 495.78 | 0.7  | 43.44 |
| 3.296 | 13.09 | 49.75 | 0.99 | 6.61 | 436.54 | 0.71 | 43.44 |
| 3.307 | 13.1  | 49.75 | 1.14 | 6.56 | 458.32 | 0.71 | 43.42 |
| 3.308 | 13.1  | 49.77 | 1.14 | 6.53 | 684.23 | 0.71 | 43.44 |
| 3.314 | 13.1  | 49.76 | 0.99 | 6.5  | 476.73 | 0.68 | 43.44 |
| 3.322 | 13.1  | 49.74 | 0.84 | 6.46 | 485.77 | 0.68 | 43.42 |
| 3.33  | 13.1  | 49.76 | 0.95 | 6.42 | 490.75 | 0.71 | 43.43 |
| 3.346 | 13.1  | 49.77 | 0.95 | 6.38 | 570.41 | 0.72 | 43.44 |
| 3.364 | 13.1  | 49.76 | 0.92 | 6.34 | 444.51 | 0.74 | 43.43 |
| 3.385 | 13.1  | 49.76 | 0.88 | 6.31 | 531.97 | 0.76 | 43.43 |
| 3.408 | 13.1  | 49.76 | 0.99 | 6.29 | 426.44 | 0.69 | 43.43 |
| 3.426 | 13.11 | 49.76 | 1.03 | 6.25 | 485.54 | 0.76 | 43.42 |
| 3.429 | 13.11 | 49.75 | 1.11 | 6.23 | 464.63 | 0.72 | 43.41 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.448 | 13.11 | 49.8  | 0.95 | 6.22 | 422.51 | 0.72 | 43.46 |
| 3.47  | 13.12 | 49.76 | 0.76 | 6.22 | 511.77 | 0.73 | 43.41 |
| 3.498 | 13.12 | 49.8  | 0.92 | 6.23 | 438.37 | 0.77 | 43.45 |
| 3.535 | 13.12 | 49.82 | 0.92 | 6.26 | 410.25 | 0.72 | 43.47 |
| 3.576 | 13.13 | 49.8  | 0.88 | 6.33 | 500.28 | 0.76 | 43.44 |
| 3.602 | 13.13 | 49.82 | 0.92 | 6.43 | 464.95 | 0.75 | 43.45 |
| 3.604 | 13.14 | 49.86 | 0.99 | 6.74 | 414.07 | 0.72 | 43.48 |
| 3.629 | 13.15 | 49.83 | 0.95 | 6.9  | 484.08 | 0.72 | 43.45 |
| 3.666 | 13.15 | 49.83 | 0.99 | 7.04 | 505.29 | 0.72 | 43.45 |
| 3.701 | 13.15 | 49.86 | 0.84 | 7.15 | 495.66 | 0.77 | 43.47 |
| 3.728 | 13.15 | 49.87 | 1.03 | 7.22 | 425.16 | 0.76 | 43.48 |
| 3.744 | 13.15 | 49.86 | 0.92 | 7.23 | 414.17 | 0.76 | 43.47 |
| 3.757 | 13.15 | 49.88 | 0.92 | 7.2  | 449.17 | 0.73 | 43.49 |
| 3.782 | 13.15 | 49.89 | 1.03 | 7.13 | 451.36 | 0.76 | 43.49 |
| 3.815 | 13.15 | 49.88 | 0.99 | 7.05 | 444.71 | 0.71 | 43.49 |
| 3.837 | 13.15 | 49.88 | 0.95 | 6.95 | 460.44 | 0.79 | 43.49 |
| 3.846 | 13.15 | 49.89 | 0.88 | 6.86 | 515.23 | 0.79 | 43.49 |
| 3.855 | 13.15 | 49.89 | 0.95 | 6.77 | 406.37 | 0.76 | 43.5  |
| 3.873 | 13.15 | 49.89 | 0.99 | 6.71 | 426.94 | 0.79 | 43.5  |
| 3.894 | 13.16 | 49.89 | 1.03 | 6.68 | 463.76 | 0.76 | 43.5  |
| 3.907 | 13.16 | 49.9  | 0.88 | 6.66 | 462.37 | 0.77 | 43.5  |
| 3.917 | 13.16 | 49.9  | 0.99 | 6.67 | 395.04 | 0.78 | 43.5  |
| 3.922 | 13.16 | 49.9  | 0.88 | 6.69 | 426.15 | 0.76 | 43.5  |
| 3.936 | 13.16 | 49.9  | 1.03 | 6.72 | 484.31 | 0.76 | 43.51 |
| 3.961 | 13.16 | 49.9  | 0.84 | 6.77 | 422.7  | 0.79 | 43.51 |
| 3.985 | 13.16 | 49.9  | 0.99 | 6.82 | 448.13 | 0.79 | 43.51 |
| 4.001 | 13.16 | 49.9  | 0.88 | 6.87 | 420.36 | 0.78 | 43.51 |
| 4.015 | 13.16 | 49.9  | 1.03 | 6.93 | 425.16 | 0.75 | 43.51 |
| 4.033 | 13.16 | 49.9  | 0.99 | 7.0  | 429.12 | 0.78 | 43.51 |
| 4.045 | 13.16 | 49.9  | 0.99 | 7.06 | 398.54 | 0.81 | 43.51 |
| 4.05  | 13.16 | 49.9  | 0.95 | 7.13 | 433.62 | 0.81 | 43.51 |
| 4.053 | 13.16 | 49.91 | 0.99 | 7.19 | 386.35 | 0.76 | 43.51 |
| 4.054 | 13.16 | 49.91 | 1.18 | 7.25 | 457.78 | 0.76 | 43.51 |





| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.21      | 49.98               | 0.42           | 6.13           | 73.85                       | 0.58              | 43.48           |
| PROF (metros)                                                                | 0.811      | 0.712               | 5.267          | 2.846          | 0.712                       | 1.033             | 0.712           |
| MÁXIMO                                                                       | 13.3       | 13.3                | 2.02           | 7.7            | 1378.5                      | 0.82              | 43.77           |
| PROF (metros)                                                                | 1.879      | 5.267               | 2.485          | 5.572          | 2.576                       | 5.093             | 5.267           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD N05 - Punto 017                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.23      | 50.07               | 0.6            | 6.95           | 89.71                       | 0.62              | 43.58           |
| 1 - 2m                                                     | 13.26      | 50.11               | 0.84           | 6.48           | 123.88                      | 0.63              | 43.59           |
| 2 - 3m                                                     | 13.28      | 50.18               | 0.87           | 6.38           | 337.13                      | 0.66              | 43.65           |
| 3 - 4m                                                     | 13.27      | 50.22               | 0.85           | 6.64           | 546.24                      | 0.68              | 43.7            |
| 4 - 5m                                                     | 13.28      | 50.25               | 0.9            | 6.64           | 455.16                      | 0.74              | 43.71           |
| 5 - 6m                                                     | 13.28      | 50.29               | 0.6            | 7.02           | 368.46                      | 0.79              | 43.74           |

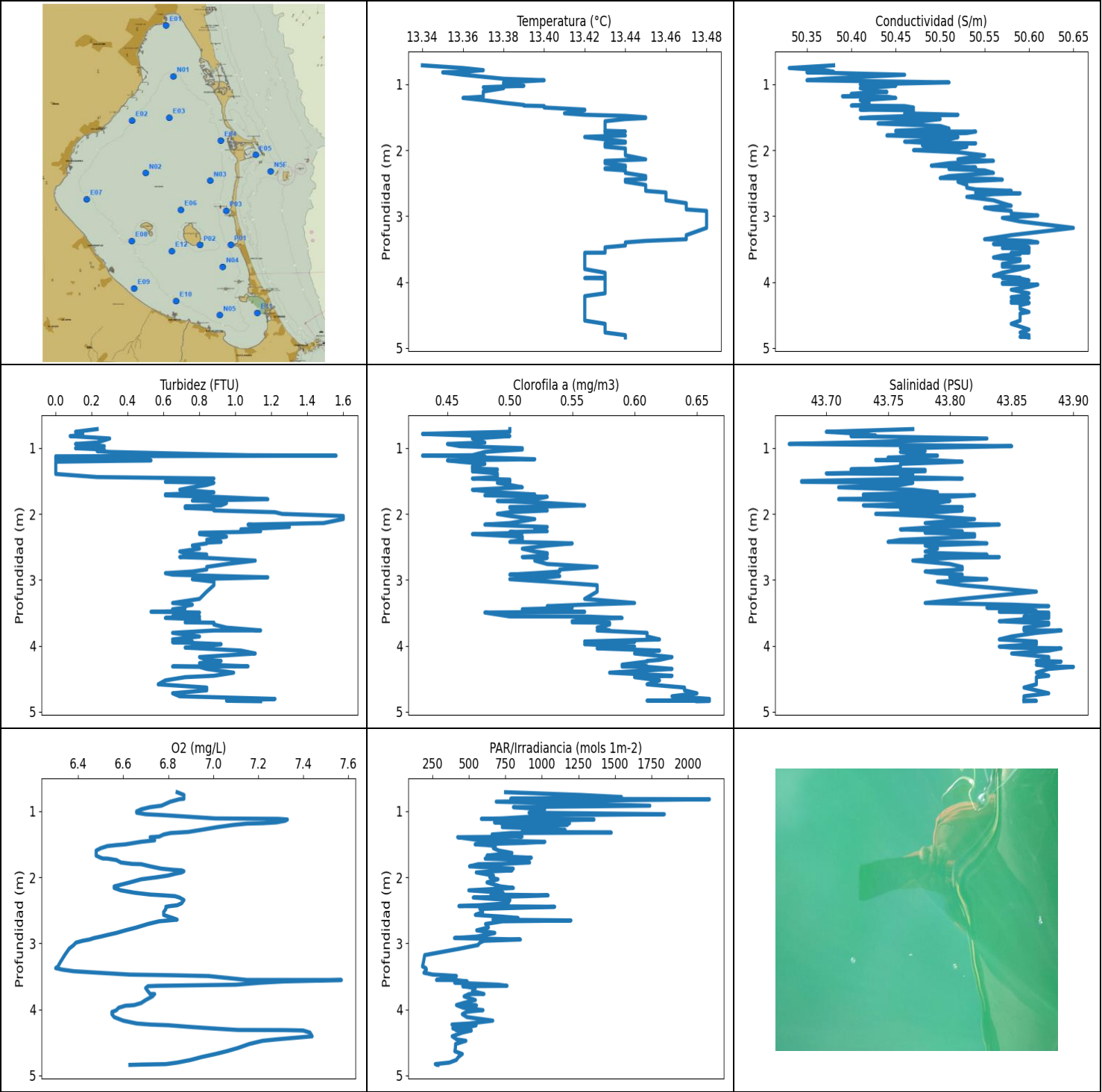
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.712                                                          | 13.25      | 49.98               | 0.46           | 7.64           | 73.85                       | 0.61              | 43.48           |
| 0.733                                                          | 13.23      | 50.05               | 0.84           | 7.4            | 76.77                       | 0.6               | 43.57           |
| 0.735                                                          | 13.22      | 50.13               | 0.5            | 7.31           | 89.11                       | 0.61              | 43.66           |
| 0.753                                                          | 13.23      | 50.12               | 0.61           | 7.22           | 83.99                       | 0.64              | 43.65           |
| 0.769                                                          | 13.24      | 49.99               | 0.61           | 6.96           | 88.02                       | 0.59              | 43.49           |
| 0.774                                                          | 13.23      | 50.12               | 0.53           | 6.87           | 94.12                       | 0.61              | 43.64           |
| 0.811                                                          | 13.21      | 50.15               | 0.69           | 6.79           | 88.74                       | 0.62              | 43.69           |
| 0.847                                                          | 13.23      | 50.04               | 0.8            | 6.71           | 88.82                       | 0.62              | 43.56           |
| 0.881                                                          | 13.25      | 50.0                | 0.53           | 6.65           | 96.3                        | 0.64              | 43.5            |
| 0.91                                                           | 13.25      | 50.01               | 0.65           | 6.6            | 92.6                        | 0.63              | 43.52           |
| 0.938                                                          | 13.24      | 50.08               | 0.53           | 6.59           | 89.83                       | 0.62              | 43.58           |
| 0.984                                                          | 13.24      | 50.16               | 0.46           | 6.6            | 114.35                      | 0.6               | 43.67           |
| 1.017                                                          | 13.25      | 50.04               | 0.57           | 6.65           | 102.14                      | 0.61              | 43.53           |
| 1.026                                                          | 13.26      | 50.01               | 0.53           | 6.71           | 96.59                       | 0.63              | 43.49           |
| 1.033                                                          | 13.25      | 50.09               | 0.65           | 6.77           | 102.88                      | 0.58              | 43.58           |
| 1.054                                                          | 13.24      | 50.17               | 0.5            | 6.84           | 111.96                      | 0.63              | 43.67           |
| 1.087                                                          | 13.25      | 50.12               | 0.61           | 6.91           | 113.37                      | 0.62              | 43.62           |
| 1.102                                                          | 13.26      | 50.02               | 0.46           | 6.95           | 107.09                      | 0.62              | 43.51           |
| 1.106                                                          | 13.26      | 50.07               | 0.69           | 6.97           | 101.57                      | 0.65              | 43.55           |
| 1.111                                                          | 13.25      | 50.13               | 0.69           | 6.98           | 107.88                      | 0.63              | 43.62           |
| 1.132                                                          | 13.25      | 50.15               | 0.65           | 6.97           | 116.46                      | 0.65              | 43.65           |
| 1.173                                                          | 13.26      | 50.04               | 1.11           | 6.93           | 118.01                      | 0.58              | 43.52           |
| 1.182                                                          | 13.25      | 50.09               | 0.76           | 6.9            | 105.14                      | 0.6               | 43.58           |
| 1.187                                                          | 13.24      | 50.08               | 0.72           | 6.86           | 105.44                      | 0.6               | 43.58           |
| 1.189                                                          | 13.24      | 50.06               | 0.61           | 6.82           | 119.0                       | 0.63              | 43.56           |
| 1.195                                                          | 13.24      | 50.09               | 1.72           | 6.78           | 118.89                      | 0.63              | 43.59           |
| 1.235                                                          | 13.25      | 50.06               | 1.22           | 6.7            | 103.96                      | 0.63              | 43.55           |
| 1.245                                                          | 13.26      | 50.09               | 0.69           | 6.56           | 110.44                      | 0.61              | 43.58           |
| 1.257                                                          | 13.26      | 50.1                | 0.72           | 6.53           | 113.79                      | 0.66              | 43.58           |
| 1.284                                                          | 13.26      | 50.08               | 0.72           | 6.49           | 115.92                      | 0.6               | 43.57           |
| 1.298                                                          | 13.26      | 50.13               | 0.46           | 6.36           | 118.86                      | 0.62              | 43.62           |
| 1.31                                                           | 13.25      | 50.13               | 0.8            | 6.32           | 116.81                      | 0.59              | 43.62           |
| 1.342                                                          | 13.25      | 50.07               | 0.76           | 6.28           | 115.92                      | 0.62              | 43.56           |
| 1.377                                                          | 13.26      | 50.04               | 0.65           | 6.25           | 117.92                      | 0.64              | 43.53           |
| 1.385                                                          | 13.26      | 50.14               | 0.65           | 6.2            | 119.6                       | 0.6               | 43.62           |
| 1.395                                                          | 13.24      | 50.15               | 0.72           | 6.19           | 122.21                      | 0.62              | 43.65           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.419 | 13.25 | 50.07 | 0.88 | 6.18 | 120.16 | 0.58 | 43.56 |
| 1.443 | 13.26 | 50.03 | 0.95 | 6.18 | 118.28 | 0.65 | 43.51 |
| 1.457 | 13.26 | 50.06 | 0.61 | 6.19 | 120.47 | 0.63 | 43.55 |
| 1.467 | 13.25 | 50.13 | 0.88 | 6.18 | 121.31 | 0.69 | 43.62 |
| 1.474 | 13.24 | 50.06 | 1.14 | 6.18 | 119.85 | 0.62 | 43.56 |
| 1.476 | 13.24 | 50.06 | 1.18 | 6.19 | 122.35 | 0.63 | 43.56 |
| 1.479 | 13.25 | 50.1  | 0.95 | 6.2  | 124.61 | 0.59 | 43.59 |
| 1.49  | 13.25 | 50.11 | 0.88 | 6.23 | 124.76 | 0.62 | 43.6  |
| 1.511 | 13.25 | 50.09 | 1.41 | 6.26 | 122.21 | 0.63 | 43.58 |
| 1.533 | 13.25 | 50.06 | 1.3  | 6.3  | 121.11 | 0.6  | 43.55 |
| 1.55  | 13.25 | 50.08 | 1.3  | 6.35 | 122.32 | 0.63 | 43.57 |
| 1.565 | 13.25 | 50.12 | 1.11 | 6.4  | 125.16 | 0.61 | 43.61 |
| 1.589 | 13.26 | 50.14 | 0.92 | 6.45 | 125.86 | 0.66 | 43.63 |
| 1.617 | 13.26 | 50.08 | 1.03 | 6.49 | 123.03 | 0.63 | 43.56 |
| 1.64  | 13.27 | 50.09 | 0.92 | 6.51 | 128.63 | 0.66 | 43.57 |
| 1.664 | 13.27 | 50.17 | 1.49 | 6.52 | 136.02 | 0.66 | 43.64 |
| 1.687 | 13.28 | 50.13 | 0.69 | 6.52 | 132.69 | 0.63 | 43.59 |
| 1.707 | 13.28 | 50.09 | 0.95 | 6.51 | 129.26 | 0.62 | 43.55 |
| 1.732 | 13.29 | 50.16 | 1.22 | 6.5  | 134.77 | 0.64 | 43.62 |
| 1.76  | 13.29 | 50.14 | 0.92 | 6.47 | 139.92 | 0.65 | 43.59 |
| 1.787 | 13.29 | 50.12 | 0.72 | 6.44 | 143.11 | 0.66 | 43.57 |
| 1.802 | 13.29 | 50.2  | 0.72 | 6.33 | 137.83 | 0.66 | 43.64 |
| 1.813 | 13.29 | 50.17 | 0.84 | 6.3  | 144.67 | 0.63 | 43.61 |
| 1.841 | 13.29 | 50.15 | 0.69 | 6.27 | 146.83 | 0.64 | 43.59 |
| 1.879 | 13.3  | 50.15 | 0.76 | 6.25 | 139.28 | 0.63 | 43.59 |
| 1.896 | 13.3  | 50.23 | 0.65 | 6.25 | 150.21 | 0.68 | 43.67 |
| 1.918 | 13.3  | 50.2  | 0.61 | 6.26 | 151.4  | 0.66 | 43.64 |
| 1.95  | 13.3  | 50.08 | 0.5  | 6.27 | 149.9  | 0.69 | 43.53 |
| 1.952 | 13.26 | 50.13 | 0.57 | 6.39 | 145.41 | 0.66 | 43.62 |
| 1.958 | 13.26 | 50.19 | 0.76 | 6.45 | 153.66 | 0.66 | 43.67 |
| 1.984 | 13.27 | 50.14 | 0.8  | 6.53 | 156.68 | 0.65 | 43.61 |
| 2.007 | 13.26 | 50.19 | 0.61 | 6.74 | 157.37 | 0.7  | 43.68 |
| 2.035 | 13.26 | 50.19 | 1.03 | 6.73 | 169.6  | 0.69 | 43.68 |
| 2.076 | 13.26 | 50.13 | 0.61 | 6.69 | 168.04 | 0.65 | 43.61 |
| 2.119 | 13.27 | 50.18 | 1.03 | 6.64 | 172.38 | 0.66 | 43.65 |
| 2.153 | 13.26 | 50.19 | 0.99 | 6.58 | 170.75 | 0.66 | 43.66 |
| 2.171 | 13.27 | 50.13 | 0.76 | 6.52 | 168.55 | 0.67 | 43.61 |
| 2.186 | 13.27 | 50.18 | 0.69 | 6.47 | 177.41 | 0.64 | 43.65 |
| 2.211 | 13.27 | 50.18 | 0.53 | 6.44 | 188.38 | 0.64 | 43.65 |
| 2.232 | 13.27 | 50.14 | 0.61 | 6.41 | 192.66 | 0.65 | 43.61 |
| 2.242 | 13.27 | 50.17 | 0.65 | 6.39 | 194.82 | 0.67 | 43.64 |
| 2.251 | 13.27 | 50.22 | 0.57 | 6.37 | 194.14 | 0.67 | 43.68 |
| 2.269 | 13.28 | 50.2  | 0.46 | 6.35 | 202.32 | 0.68 | 43.66 |
| 2.286 | 13.28 | 50.13 | 0.69 | 6.33 | 197.27 | 0.66 | 43.59 |
| 2.3   | 13.28 | 50.17 | 0.8  | 6.32 | 217.64 | 0.66 | 43.62 |
| 2.323 | 13.27 | 50.2  | 0.61 | 6.3  | 235.6  | 0.68 | 43.67 |
| 2.344 | 13.27 | 50.14 | 0.61 | 6.3  | 228.61 | 0.67 | 43.61 |
| 2.36  | 13.27 | 50.16 | 0.8  | 6.3  | 208.41 | 0.65 | 43.63 |
| 2.361 | 13.26 | 50.2  | 0.53 | 6.32 | 229.14 | 0.69 | 43.68 |
| 2.362 | 13.27 | 50.19 | 0.57 | 6.35 | 249.71 | 0.64 | 43.66 |
| 2.372 | 13.27 | 50.17 | 0.84 | 6.38 | 264.42 | 0.68 | 43.64 |
| 2.39  | 13.27 | 50.19 | 0.72 | 6.41 | 227.6  | 0.66 | 43.66 |
| 2.403 | 13.27 | 50.15 | 0.57 | 6.45 | 219.11 | 0.66 | 43.62 |
| 2.412 | 13.27 | 50.19 | 0.76 | 6.47 | 217.95 | 0.68 | 43.66 |
| 2.431 | 13.27 | 50.21 | 1.45 | 6.49 | 230.57 | 0.66 | 43.67 |
| 2.485 | 13.28 | 50.15 | 2.02 | 6.5  | 345.27 | 0.64 | 43.61 |
| 2.53  | 13.28 | 50.17 | 1.83 | 6.48 | 388.23 | 0.65 | 43.62 |
| 2.538 | 13.28 | 50.16 | 1.18 | 6.45 | 245.07 | 0.67 | 43.62 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.541 | 13.28 | 50.21 | 0.76 | 6.42 | 222.95 | 0.66 | 43.67 |
| 2.55  | 13.28 | 50.21 | 0.8  | 6.38 | 400.67 | 0.66 | 43.67 |
| 2.576 | 13.28 | 50.18 | 1.26 | 6.34 | 1378.5 | 0.71 | 43.63 |
| 2.614 | 13.28 | 50.18 | 1.34 | 6.31 | 527.67 | 0.66 | 43.63 |
| 2.648 | 13.29 | 50.16 | 0.99 | 6.28 | 495.78 | 0.64 | 43.62 |
| 2.668 | 13.29 | 50.17 | 0.69 | 6.24 | 363.42 | 0.69 | 43.62 |
| 2.693 | 13.29 | 50.24 | 0.88 | 6.21 | 318.37 | 0.66 | 43.69 |
| 2.726 | 13.29 | 50.2  | 1.03 | 6.18 | 611.2  | 0.66 | 43.64 |
| 2.767 | 13.29 | 50.18 | 1.03 | 6.16 | 549.52 | 0.66 | 43.62 |
| 2.809 | 13.29 | 50.23 | 0.92 | 6.14 | 469.06 | 0.63 | 43.67 |
| 2.846 | 13.3  | 50.23 | 0.99 | 6.13 | 810.0  | 0.67 | 43.67 |
| 2.872 | 13.3  | 50.17 | 0.72 | 6.14 | 516.18 | 0.69 | 43.61 |
| 2.905 | 13.3  | 50.24 | 0.69 | 6.14 | 552.32 | 0.64 | 43.67 |
| 2.959 | 13.29 | 50.27 | 0.95 | 6.16 | 745.84 | 0.67 | 43.71 |
| 3.004 | 13.3  | 50.17 | 0.65 | 6.2  | 509.17 | 0.64 | 43.61 |
| 3.028 | 13.29 | 50.22 | 0.65 | 6.26 | 643.32 | 0.68 | 43.67 |
| 3.051 | 13.27 | 50.25 | 0.76 | 6.33 | 633.26 | 0.67 | 43.72 |
| 3.073 | 13.26 | 50.23 | 0.69 | 6.7  | 468.41 | 0.66 | 43.71 |
| 3.077 | 13.25 | 50.25 | 0.61 | 6.86 | 691.41 | 0.66 | 43.73 |
| 3.094 | 13.26 | 50.2  | 0.88 | 7.02 | 568.56 | 0.65 | 43.69 |
| 3.103 | 13.25 | 50.2  | 0.69 | 7.3  | 695.59 | 0.65 | 43.7  |
| 3.126 | 13.25 | 50.23 | 1.22 | 7.26 | 478.06 | 0.66 | 43.72 |
| 3.169 | 13.25 | 50.22 | 1.14 | 7.19 | 700.6  | 0.66 | 43.71 |
| 3.206 | 13.25 | 50.19 | 0.72 | 7.09 | 484.08 | 0.62 | 43.68 |
| 3.226 | 13.25 | 50.21 | 0.99 | 6.99 | 494.86 | 0.67 | 43.7  |
| 3.229 | 13.25 | 50.23 | 0.46 | 6.88 | 631.94 | 0.64 | 43.73 |
| 3.241 | 13.25 | 50.23 | 0.57 | 6.78 | 595.81 | 0.69 | 43.72 |
| 3.271 | 13.25 | 50.2  | 0.65 | 6.7  | 528.53 | 0.67 | 43.69 |
| 3.312 | 13.25 | 50.21 | 0.72 | 6.64 | 601.08 | 0.7  | 43.7  |
| 3.345 | 13.26 | 50.21 | 0.8  | 6.58 | 657.64 | 0.67 | 43.7  |
| 3.363 | 13.26 | 50.2  | 0.57 | 6.53 | 452.09 | 0.66 | 43.69 |
| 3.367 | 13.26 | 50.21 | 1.03 | 6.48 | 604.02 | 0.68 | 43.7  |
| 3.375 | 13.26 | 50.24 | 0.92 | 6.44 | 582.16 | 0.68 | 43.72 |
| 3.392 | 13.27 | 50.21 | 0.57 | 6.39 | 477.07 | 0.66 | 43.69 |
| 3.413 | 13.27 | 50.21 | 0.72 | 6.34 | 554.12 | 0.67 | 43.68 |
| 3.432 | 13.28 | 50.24 | 0.65 | 6.3  | 524.38 | 0.66 | 43.7  |
| 3.45  | 13.28 | 50.22 | 0.8  | 6.26 | 515.7  | 0.69 | 43.68 |
| 3.465 | 13.28 | 50.2  | 0.69 | 6.24 | 609.93 | 0.66 | 43.66 |
| 3.473 | 13.28 | 50.23 | 0.65 | 6.22 | 600.39 | 0.69 | 43.69 |
| 3.485 | 13.28 | 50.24 | 1.14 | 6.21 | 478.06 | 0.66 | 43.7  |
| 3.507 | 13.28 | 50.21 | 1.83 | 6.2  | 395.04 | 0.68 | 43.67 |
| 3.727 | 13.27 | 50.25 | 1.03 | 6.54 | 504.36 | 0.7  | 43.72 |
| 3.738 | 13.27 | 50.25 | 0.76 | 6.61 | 464.2  | 0.68 | 43.72 |
| 3.767 | 13.27 | 50.23 | 0.95 | 6.67 | 495.43 | 0.7  | 43.7  |
| 3.807 | 13.27 | 50.22 | 1.03 | 6.72 | 511.89 | 0.72 | 43.68 |
| 3.842 | 13.27 | 50.24 | 0.95 | 6.77 | 537.3  | 0.7  | 43.7  |
| 3.884 | 13.27 | 50.26 | 1.11 | 6.8  | 577.86 | 0.75 | 43.73 |
| 3.922 | 13.28 | 50.22 | 1.37 | 6.8  | 571.34 | 0.74 | 43.68 |
| 3.946 | 13.28 | 50.22 | 0.76 | 6.78 | 461.41 | 0.66 | 43.67 |
| 3.956 | 13.28 | 50.25 | 0.8  | 6.75 | 432.01 | 0.7  | 43.71 |
| 3.977 | 13.28 | 50.28 | 0.72 | 6.72 | 479.84 | 0.72 | 43.74 |
| 4.022 | 13.28 | 50.25 | 0.72 | 6.7  | 539.05 | 0.72 | 43.7  |
| 4.056 | 13.28 | 50.21 | 0.61 | 6.68 | 502.37 | 0.7  | 43.66 |
| 4.059 | 13.26 | 50.27 | 0.65 | 6.68 | 483.07 | 0.71 | 43.75 |
| 4.068 | 13.26 | 50.23 | 0.57 | 6.7  | 539.67 | 0.69 | 43.71 |
| 4.104 | 13.26 | 50.25 | 0.69 | 6.72 | 456.41 | 0.73 | 43.72 |
| 4.154 | 13.26 | 50.25 | 0.92 | 6.74 | 451.78 | 0.74 | 43.73 |
| 4.205 | 13.26 | 50.24 | 0.8  | 6.79 | 473.65 | 0.73 | 43.72 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.239 | 13.26 | 50.24 | 0.57 | 6.83 | 464.41 | 0.78 | 43.72 |
| 4.263 | 13.26 | 50.26 | 0.76 | 6.88 | 467.76 | 0.74 | 43.73 |
| 4.289 | 13.27 | 50.25 | 1.11 | 6.92 | 430.11 | 0.76 | 43.72 |
| 4.324 | 13.27 | 50.25 | 0.95 | 6.96 | 452.2  | 0.72 | 43.72 |
| 4.364 | 13.27 | 50.25 | 1.18 | 6.98 | 471.79 | 0.74 | 43.72 |
| 4.398 | 13.27 | 50.25 | 0.92 | 6.99 | 474.31 | 0.74 | 43.72 |
| 4.422 | 13.27 | 50.24 | 0.88 | 6.97 | 444.2  | 0.77 | 43.71 |
| 4.438 | 13.27 | 50.26 | 1.53 | 6.92 | 400.85 | 0.72 | 43.72 |
| 4.461 | 13.27 | 50.27 | 1.6  | 6.87 | 453.45 | 0.77 | 43.73 |
| 4.498 | 13.28 | 50.25 | 1.64 | 6.8  | 525.48 | 0.76 | 43.7  |
| 4.541 | 13.28 | 50.24 | 1.14 | 6.72 | 440.51 | 0.77 | 43.69 |
| 4.579 | 13.28 | 50.25 | 0.8  | 6.64 | 472.01 | 0.79 | 43.7  |
| 4.608 | 13.28 | 50.25 | 1.22 | 6.57 | 418.7  | 0.74 | 43.7  |
| 4.631 | 13.28 | 50.25 | 0.99 | 6.5  | 441.02 | 0.72 | 43.71 |
| 4.659 | 13.28 | 50.27 | 0.8  | 6.43 | 468.95 | 0.73 | 43.73 |
| 4.685 | 13.28 | 50.25 | 0.53 | 6.38 | 469.06 | 0.73 | 43.7  |
| 4.71  | 13.29 | 50.26 | 0.65 | 6.33 | 466.89 | 0.78 | 43.71 |
| 4.747 | 13.29 | 50.27 | 0.76 | 6.29 | 435.43 | 0.74 | 43.72 |
| 4.783 | 13.29 | 50.25 | 0.8  | 6.27 | 391.67 | 0.76 | 43.69 |
| 4.815 | 13.29 | 50.25 | 0.8  | 6.25 | 353.28 | 0.76 | 43.7  |
| 4.871 | 13.29 | 50.3  | 0.88 | 6.25 | 417.54 | 0.76 | 43.75 |
| 4.936 | 13.29 | 50.26 | 0.8  | 6.26 | 459.27 | 0.78 | 43.71 |
| 4.978 | 13.29 | 50.26 | 0.69 | 6.27 | 389.77 | 0.76 | 43.7  |
| 5.029 | 13.28 | 50.29 | 0.65 | 6.3  | 386.98 | 0.79 | 43.75 |
| 5.093 | 13.27 | 50.26 | 0.65 | 6.34 | 393.58 | 0.82 | 43.72 |
| 5.145 | 13.28 | 50.25 | 0.69 | 6.41 | 398.91 | 0.79 | 43.71 |
| 5.185 | 13.28 | 50.27 | 0.53 | 6.51 | 371.85 | 0.79 | 43.73 |
| 5.267 | 13.27 | 50.31 | 0.42 | 6.64 | 366.04 | 0.76 | 43.77 |
| 5.347 | 13.28 | 50.27 | 0.61 | 6.8  | 357.49 | 0.79 | 43.72 |
| 5.397 | 13.28 | 50.28 | 0.53 | 6.97 | 356.16 | 0.79 | 43.73 |
| 5.442 | 13.28 | 50.31 | 0.76 | 7.13 | 345.59 | 0.82 | 43.77 |
| 5.519 | 13.29 | 50.3  | 0.53 | 7.28 | 354.51 | 0.79 | 43.74 |
| 5.555 | 13.29 | 50.28 | 0.53 | 7.42 | 365.27 | 0.82 | 43.72 |
| 5.562 | 13.29 | 50.31 | 0.57 | 7.53 | 350.67 | 0.78 | 43.76 |
| 5.567 | 13.29 | 50.3  | 0.84 | 7.61 | 333.94 | 0.78 | 43.75 |
| 5.57  | 13.29 | 50.29 | 0.53 | 7.66 | 381.19 | 0.75 | 43.73 |
| 5.572 | 13.29 | 50.31 | 0.57 | 7.7  | 396.23 | 0.79 | 43.75 |



| 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                                                                       | 13.34      | 50.33               | 0.0            | 6.3            | 182.37                      | 0.43              | 43.67           |
| PROF (metros)                                                                | 0.711      | 0.752               | 1.124          | 3.374          | 3.349                       | 0.784             | 0.937           |
| MÁXIMO                                                                       | 13.48      | 13.48               | 1.6            | 7.57           | 2147.6                      | 0.66              | 43.9            |
| PROF (metros)                                                                | 2.919      | 3.177               | 2.029          | 3.554          | 0.817                       | 4.804             | 4.318           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E10 - Punto 018                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.36      | 50.39               | 0.18           | 6.81           | 1193.59                     | 0.47              | 43.75           |
| 1 - 2m                                                     | 13.42      | 50.47               | 0.76           | 6.71           | 765.53                      | 0.5               | 43.76           |
| 2 - 3m                                                     | 13.45      | 50.55               | 0.94           | 6.69           | 690.49                      | 0.52              | 43.8            |
| 3 - 4m                                                     | 13.43      | 50.58               | 0.77           | 6.7            | 412.81                      | 0.56              | 43.86           |
| 4 - 5m                                                     | 13.43      | 50.59               | 0.86           | 6.91           | 436.5                       | 0.62              | 43.87           |

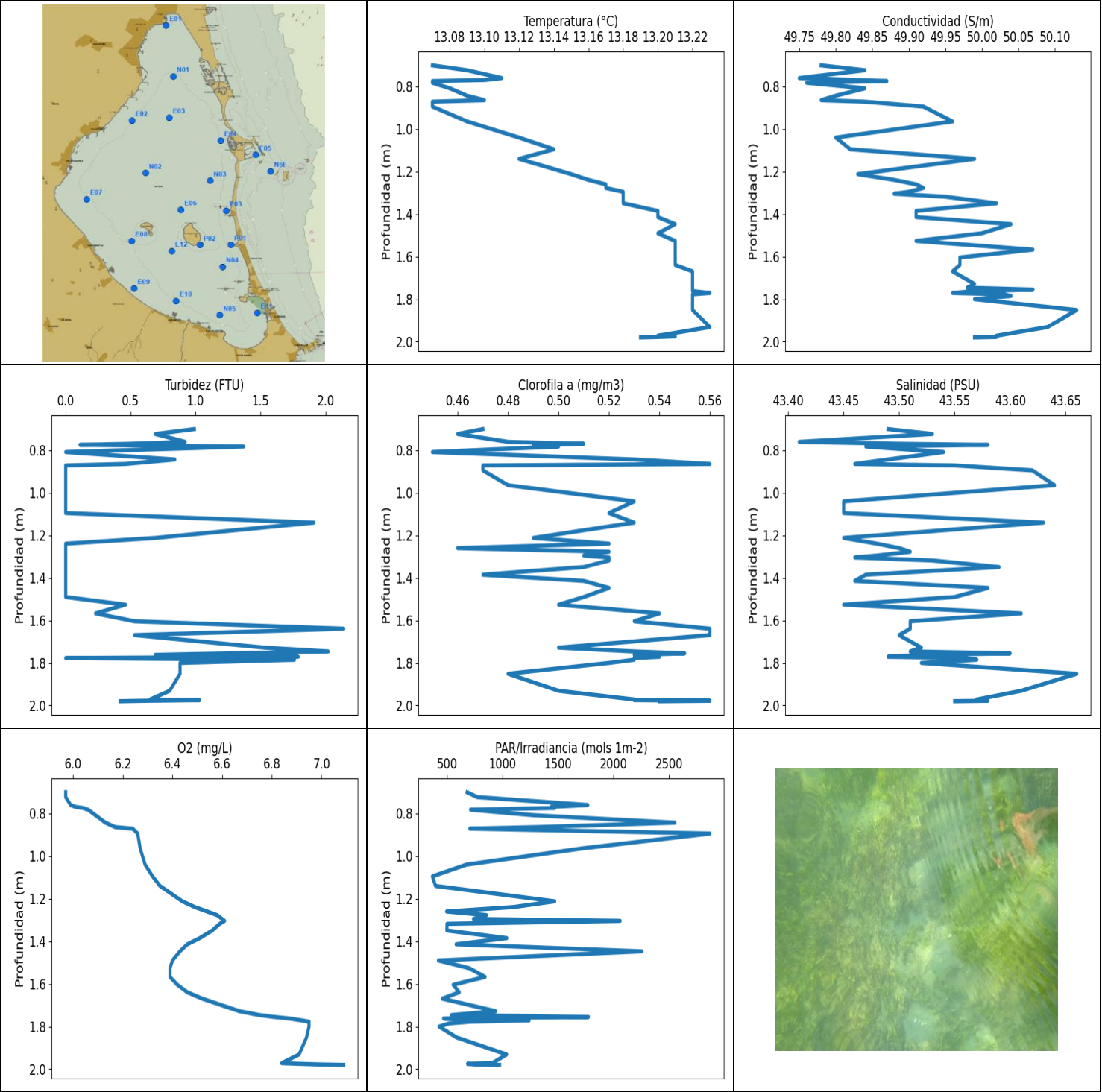
| OBSERVACIONES GENERALES |
|-------------------------|
|                         |

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.711                                                          | 13.34      | 50.38               | 0.23           | 6.84           | 751.4                       | 0.5               | 43.77           |
| 0.752                                                          | 13.36      | 50.33               | 0.11           | 6.87           | 1261.7                      | 0.5               | 43.7            |
| 0.784                                                          | 13.37      | 50.37               | 0.15           | 6.87           | 1545.0                      | 0.43              | 43.73           |
| 0.81                                                           | 13.36      | 50.38               | 0.11           | 6.87           | 786.68                      | 0.47              | 43.74           |
| 0.817                                                          | 13.35      | 50.35               | 0.08           | 6.85           | 2147.6                      | 0.5               | 43.72           |
| 0.854                                                          | 13.36      | 50.46               | 0.3            | 6.81           | 687.41                      | 0.47              | 43.83           |
| 0.915                                                          | 13.38      | 50.37               | 0.23           | 6.77           | 1739.2                      | 0.48              | 43.72           |
| 0.937                                                          | 13.4       | 50.35               | 0.11           | 6.72           | 804.94                      | 0.45              | 43.67           |
| 0.97                                                           | 13.38      | 50.51               | 0.27           | 6.68           | 1018.4                      | 0.46              | 43.85           |
| 1.001                                                          | 13.38      | 50.41               | 0.11           | 6.66           | 943.66                      | 0.51              | 43.76           |
| 1.021                                                          | 13.39      | 50.45               | 0.27           | 6.66           | 912.05                      | 0.51              | 43.77           |
| 1.044                                                          | 13.37      | 50.43               | 0.23           | 6.7            | 1838.7                      | 0.49              | 43.78           |
| 1.058                                                          | 13.38      | 50.41               | 0.3            | 6.78           | 1107.3                      | 0.48              | 43.76           |
| 1.108                                                          | 13.37      | 50.43               | 1.07           | 7.01           | 723.04                      | 0.47              | 43.78           |
| 1.114                                                          | 13.37      | 50.44               | 1.56           | 7.29           | 585.41                      | 0.43              | 43.79           |
| 1.124                                                          | 13.37      | 50.42               | 0.0            | 7.33           | 1356.9                      | 0.48              | 43.78           |
| 1.143                                                          | 13.37      | 50.4                | 0.0            | 7.32           | 999.73                      | 0.48              | 43.75           |
| 1.168                                                          | 13.37      | 50.42               | 0.0            | 7.28           | 675.57                      | 0.52              | 43.78           |
| 1.18                                                           | 13.37      | 50.39               | 0.0            | 7.22           | 1189.3                      | 0.47              | 43.74           |
| 1.186                                                          | 13.37      | 50.44               | 0.53           | 7.15           | 722.7                       | 0.45              | 43.79           |
| 1.206                                                          | 13.36      | 50.45               | 0.0            | 7.09           | 1174.7                      | 0.46              | 43.81           |
| 1.239                                                          | 13.37      | 50.41               | 0.0            | 7.02           | 728.93                      | 0.48              | 43.76           |
| 1.279                                                          | 13.38      | 50.42               | 0.0            | 6.95           | 1158.8                      | 0.47              | 43.76           |
| 1.312                                                          | 13.39      | 50.41               | 0.0            | 6.89           | 862.9                       | 0.47              | 43.74           |
| 1.322                                                          | 13.39      | 50.4                | 0.0            | 6.84           | 1475.3                      | 0.49              | 43.72           |
| 1.329                                                          | 13.4       | 50.46               | 0.0            | 6.81           | 790.34                      | 0.49              | 43.78           |
| 1.351                                                          | 13.4       | 50.47               | 0.0            | 6.78           | 659.17                      | 0.47              | 43.78           |
| 1.383                                                          | 13.42      | 50.41               | 0.0            | 6.76           | 864.11                      | 0.49              | 43.7            |
| 1.392                                                          | 13.42      | 50.47               | 0.0            | 6.72           | 423.29                      | 0.49              | 43.77           |
| 1.439                                                          | 13.41      | 50.46               | 0.23           | 6.74           | 579.34                      | 0.49              | 43.76           |
| 1.461                                                          | 13.42      | 50.52               | 0.88           | 6.68           | 1020.3                      | 0.47              | 43.81           |
| 1.478                                                          | 13.44      | 50.47               | 0.65           | 6.65           | 880.48                      | 0.5               | 43.74           |
| 1.5                                                            | 13.45      | 50.42               | 0.65           | 6.61           | 542.68                      | 0.5               | 43.68           |
| 1.511                                                          | 13.45      | 50.41               | 0.61           | 6.57           | 624.81                      | 0.5               | 43.68           |
| 1.526                                                          | 13.44      | 50.5                | 0.88           | 6.53           | 680.91                      | 0.49              | 43.77           |
| 1.559                                                          | 13.43      | 50.48               | 0.84           | 6.5            | 667.94                      | 0.5               | 43.76           |
| 1.594                                                          | 13.43      | 50.43               | 0.76           | 6.48           | 705.98                      | 0.51              | 43.71           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.631 | 13.43 | 50.5  | 0.69 | 6.48 | 794.93 | 0.47 | 43.77 |
| 1.671 | 13.43 | 50.51 | 0.88 | 6.48 | 624.08 | 0.49 | 43.79 |
| 1.703 | 13.43 | 50.45 | 0.61 | 6.5  | 927.83 | 0.52 | 43.73 |
| 1.714 | 13.44 | 50.45 | 0.72 | 6.51 | 659.48 | 0.49 | 43.73 |
| 1.716 | 13.43 | 50.54 | 0.61 | 6.53 | 611.91 | 0.48 | 43.82 |
| 1.738 | 13.43 | 50.53 | 0.88 | 6.57 | 905.73 | 0.53 | 43.8  |
| 1.775 | 13.44 | 50.44 | 1.18 | 6.59 | 915.87 | 0.52 | 43.71 |
| 1.796 | 13.42 | 50.49 | 0.76 | 6.64 | 721.03 | 0.5  | 43.78 |
| 1.8   | 13.42 | 50.52 | 0.84 | 6.68 | 565.93 | 0.49 | 43.8  |
| 1.833 | 13.43 | 50.51 | 0.95 | 6.72 | 504.59 | 0.53 | 43.79 |
| 1.868 | 13.44 | 50.46 | 0.92 | 6.77 | 804.01 | 0.56 | 43.73 |
| 1.885 | 13.44 | 50.48 | 0.72 | 6.82 | 759.28 | 0.53 | 43.75 |
| 1.894 | 13.43 | 50.54 | 0.76 | 6.86 | 795.12 | 0.5  | 43.81 |
| 1.907 | 13.43 | 50.5  | 0.72 | 6.87 | 672.6  | 0.5  | 43.78 |
| 1.925 | 13.43 | 50.48 | 0.88 | 6.86 | 550.66 | 0.52 | 43.76 |
| 1.946 | 13.43 | 50.53 | 0.88 | 6.83 | 602.62 | 0.53 | 43.81 |
| 1.972 | 13.44 | 50.52 | 1.22 | 6.8  | 668.4  | 0.5  | 43.79 |
| 1.998 | 13.44 | 50.47 | 1.26 | 6.75 | 643.17 | 0.49 | 43.74 |
| 2.029 | 13.44 | 50.52 | 1.6  | 6.68 | 699.14 | 0.5  | 43.78 |
| 2.076 | 13.44 | 50.55 | 1.6  | 6.63 | 624.08 | 0.52 | 43.82 |
| 2.137 | 13.45 | 50.52 | 1.49 | 6.56 | 717.53 | 0.5  | 43.78 |
| 2.16  | 13.43 | 50.56 | 1.07 | 6.56 | 804.57 | 0.48 | 43.84 |
| 2.196 | 13.43 | 50.51 | 1.3  | 6.59 | 499.7  | 0.53 | 43.79 |
| 2.232 | 13.44 | 50.49 | 1.03 | 6.65 | 733.33 | 0.52 | 43.76 |
| 2.26  | 13.44 | 50.54 | 1.14 | 6.72 | 651.73 | 0.53 | 43.81 |
| 2.272 | 13.43 | 50.53 | 1.03 | 6.78 | 1042.3 | 0.5  | 43.81 |
| 2.284 | 13.43 | 50.51 | 0.8  | 6.83 | 891.78 | 0.51 | 43.78 |
| 2.305 | 13.44 | 50.55 | 0.8  | 6.85 | 530.0  | 0.47 | 43.82 |
| 2.343 | 13.44 | 50.56 | 0.95 | 6.87 | 780.87 | 0.51 | 43.82 |
| 2.391 | 13.45 | 50.51 | 0.84 | 6.86 | 769.02 | 0.51 | 43.76 |
| 2.422 | 13.45 | 50.5  | 0.92 | 6.84 | 576.26 | 0.5  | 43.75 |
| 2.434 | 13.45 | 50.56 | 0.84 | 6.81 | 431.81 | 0.53 | 43.82 |
| 2.445 | 13.44 | 50.57 | 0.84 | 6.79 | 1087.5 | 0.55 | 43.83 |
| 2.477 | 13.44 | 50.52 | 0.76 | 6.79 | 575.59 | 0.53 | 43.78 |
| 2.525 | 13.45 | 50.53 | 0.8  | 6.78 | 594.57 | 0.51 | 43.79 |
| 2.568 | 13.45 | 50.53 | 0.69 | 6.78 | 544.32 | 0.52 | 43.78 |
| 2.593 | 13.45 | 50.54 | 0.72 | 6.8  | 719.19 | 0.53 | 43.79 |
| 2.615 | 13.45 | 50.58 | 0.84 | 6.82 | 836.71 | 0.53 | 43.83 |
| 2.64  | 13.46 | 50.54 | 0.72 | 6.84 | 665.16 | 0.52 | 43.78 |
| 2.652 | 13.46 | 50.59 | 0.69 | 6.8  | 1198.9 | 0.51 | 43.84 |
| 2.665 | 13.46 | 50.56 | 0.84 | 6.76 | 730.28 | 0.53 | 43.8  |
| 2.706 | 13.46 | 50.53 | 1.11 | 6.71 | 614.18 | 0.52 | 43.77 |
| 2.758 | 13.46 | 50.56 | 0.95 | 6.66 | 634.0  | 0.53 | 43.8  |
| 2.802 | 13.47 | 50.57 | 0.84 | 6.61 | 553.86 | 0.57 | 43.81 |
| 2.841 | 13.47 | 50.58 | 0.84 | 6.57 | 677.76 | 0.54 | 43.81 |
| 2.872 | 13.47 | 50.55 | 0.76 | 6.53 | 616.03 | 0.54 | 43.78 |
| 2.897 | 13.47 | 50.56 | 0.61 | 6.5  | 552.58 | 0.52 | 43.79 |
| 2.919 | 13.48 | 50.58 | 0.65 | 6.47 | 401.32 | 0.5  | 43.81 |
| 2.941 | 13.48 | 50.58 | 0.92 | 6.45 | 852.76 | 0.54 | 43.8  |
| 2.96  | 13.48 | 50.58 | 1.18 | 6.42 | 603.6  | 0.53 | 43.8  |
| 2.988 | 13.48 | 50.61 | 0.76 | 6.39 | 575.86 | 0.5  | 43.83 |
| 3.025 | 13.48 | 50.57 | 0.88 | 6.38 | 561.88 | 0.53 | 43.79 |
| 3.079 | 13.48 | 50.59 | 0.88 | 6.36 | 438.47 | 0.57 | 43.81 |
| 3.177 | 13.48 | 50.65 | 0.84 | 6.34 | 197.41 | 0.57 | 43.87 |
| 3.287 | 13.47 | 50.58 | 0.8  | 6.32 | 188.47 | 0.56 | 43.81 |
| 3.349 | 13.47 | 50.55 | 0.65 | 6.31 | 182.37 | 0.6  | 43.78 |
| 3.374 | 13.45 | 50.6  | 0.76 | 6.3  | 205.44 | 0.56 | 43.85 |
| 3.397 | 13.44 | 50.61 | 0.72 | 6.33 | 209.09 | 0.53 | 43.88 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.421 | 13.44 | 50.56 | 0.72 | 6.38 | 200.5  | 0.55 | 43.83 |
| 3.444 | 13.44 | 50.59 | 0.65 | 6.49 | 192.17 | 0.51 | 43.86 |
| 3.472 | 13.43 | 50.6  | 0.72 | 6.63 | 252.56 | 0.53 | 43.87 |
| 3.482 | 13.43 | 50.57 | 0.53 | 6.82 | 339.95 | 0.56 | 43.84 |
| 3.494 | 13.43 | 50.6  | 0.8  | 6.98 | 414.65 | 0.48 | 43.88 |
| 3.553 | 13.43 | 50.6  | 0.65 | 7.15 | 278.32 | 0.5  | 43.88 |
| 3.554 | 13.42 | 50.58 | 0.8  | 7.57 | 407.03 | 0.56 | 43.86 |
| 3.576 | 13.42 | 50.59 | 0.61 | 7.31 | 488.59 | 0.59 | 43.88 |
| 3.595 | 13.42 | 50.57 | 0.8  | 7.21 | 402.9  | 0.56 | 43.86 |
| 3.625 | 13.42 | 50.56 | 0.8  | 7.1  | 702.39 | 0.55 | 43.84 |
| 3.642 | 13.42 | 50.57 | 0.72 | 6.75 | 761.21 | 0.55 | 43.86 |
| 3.648 | 13.42 | 50.59 | 0.88 | 6.71 | 458.32 | 0.58 | 43.88 |
| 3.676 | 13.42 | 50.59 | 0.88 | 6.7  | 543.69 | 0.58 | 43.88 |
| 3.723 | 13.42 | 50.57 | 0.95 | 6.71 | 524.26 | 0.57 | 43.86 |
| 3.765 | 13.42 | 50.57 | 1.14 | 6.72 | 603.32 | 0.58 | 43.86 |
| 3.766 | 13.42 | 50.6  | 0.88 | 6.74 | 501.32 | 0.57 | 43.89 |
| 3.802 | 13.42 | 50.59 | 0.65 | 6.73 | 467.33 | 0.61 | 43.87 |
| 3.857 | 13.43 | 50.57 | 0.8  | 6.7  | 544.32 | 0.61 | 43.85 |
| 3.902 | 13.43 | 50.56 | 0.65 | 6.68 | 462.58 | 0.62 | 43.84 |
| 3.933 | 13.43 | 50.59 | 0.76 | 6.65 | 414.94 | 0.56 | 43.87 |
| 3.939 | 13.42 | 50.57 | 0.72 | 6.63 | 552.07 | 0.6  | 43.86 |
| 3.943 | 13.43 | 50.59 | 0.65 | 6.61 | 426.74 | 0.58 | 43.87 |
| 3.974 | 13.43 | 50.6  | 0.92 | 6.58 | 462.05 | 0.56 | 43.87 |
| 4.01  | 13.43 | 50.57 | 0.8  | 6.57 | 596.37 | 0.6  | 43.84 |
| 4.026 | 13.43 | 50.57 | 0.72 | 6.56 | 521.96 | 0.58 | 43.85 |
| 4.037 | 13.43 | 50.61 | 0.8  | 6.55 | 483.63 | 0.57 | 43.89 |
| 4.071 | 13.43 | 50.6  | 1.03 | 6.55 | 455.14 | 0.62 | 43.88 |
| 4.115 | 13.43 | 50.58 | 1.11 | 6.56 | 486.9  | 0.6  | 43.85 |
| 4.169 | 13.43 | 50.6  | 0.8  | 6.6  | 663.46 | 0.63 | 43.88 |
| 4.212 | 13.42 | 50.59 | 0.84 | 6.66 | 503.07 | 0.62 | 43.88 |
| 4.228 | 13.42 | 50.58 | 0.92 | 6.72 | 384.29 | 0.61 | 43.87 |
| 4.238 | 13.42 | 50.6  | 0.88 | 6.8  | 549.64 | 0.61 | 43.89 |
| 4.262 | 13.42 | 50.59 | 0.8  | 6.89 | 509.64 | 0.6  | 43.88 |
| 4.285 | 13.42 | 50.58 | 0.84 | 6.99 | 389.68 | 0.59 | 43.87 |
| 4.31  | 13.42 | 50.6  | 1.07 | 7.11 | 428.92 | 0.61 | 43.88 |
| 4.312 | 13.42 | 50.58 | 0.65 | 7.32 | 411.3  | 0.59 | 43.88 |
| 4.318 | 13.42 | 50.6  | 0.8  | 7.4  | 516.54 | 0.61 | 43.9  |
| 4.349 | 13.42 | 50.59 | 0.84 | 7.43 | 456.09 | 0.63 | 43.88 |
| 4.406 | 13.42 | 50.59 | 0.99 | 7.44 | 385.72 | 0.58 | 43.87 |
| 4.453 | 13.42 | 50.6  | 0.88 | 7.28 | 416.86 | 0.63 | 43.88 |
| 4.474 | 13.42 | 50.59 | 0.72 | 7.22 | 479.5  | 0.6  | 43.87 |
| 4.523 | 13.42 | 50.59 | 0.61 | 7.16 | 408.73 | 0.62 | 43.87 |
| 4.583 | 13.42 | 50.59 | 0.57 | 7.11 | 407.88 | 0.61 | 43.87 |
| 4.632 | 13.43 | 50.58 | 0.84 | 7.06 | 403.65 | 0.64 | 43.86 |
| 4.674 | 13.43 | 50.59 | 0.84 | 7.01 | 454.82 | 0.64 | 43.87 |
| 4.719 | 13.43 | 50.6  | 0.65 | 6.95 | 428.52 | 0.65 | 43.88 |
| 4.764 | 13.43 | 50.59 | 0.69 | 6.9  | 413.78 | 0.63 | 43.86 |
| 4.804 | 13.44 | 50.6  | 1.22 | 6.84 | 366.29 | 0.66 | 43.86 |
| 4.827 | 13.44 | 50.59 | 1.03 | 6.79 | 270.0  | 0.63 | 43.86 |
| 4.83  | 13.44 | 50.59 | 0.95 | 6.74 | 290.78 | 0.61 | 43.86 |
| 4.834 | 13.44 | 50.6  | 0.99 | 6.68 | 287.7  | 0.66 | 43.87 |
| 4.839 | 13.44 | 50.6  | 1.14 | 6.63 | 287.63 | 0.65 | 43.86 |



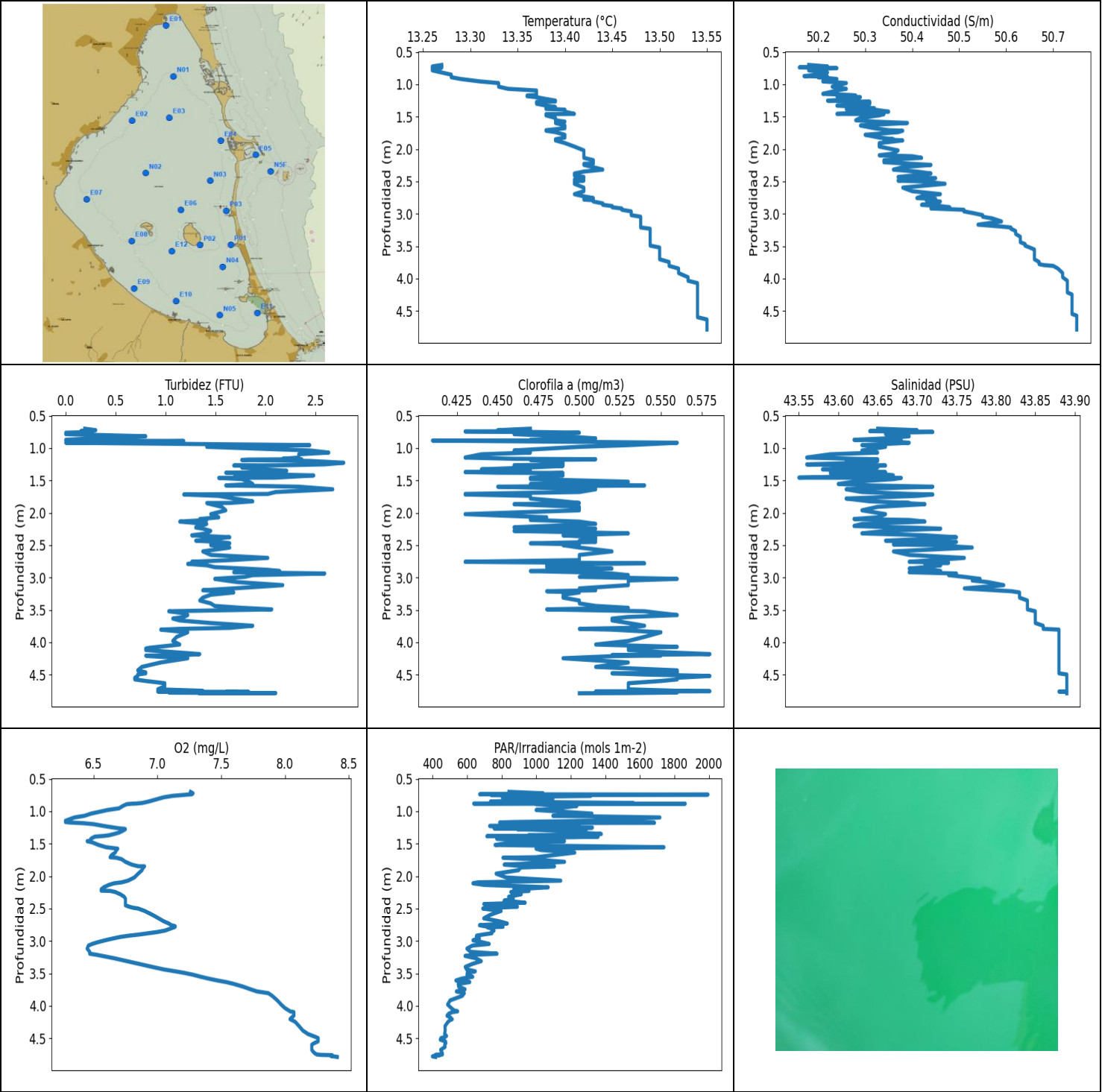
| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.07      | 49.75               | 0.0            | 5.97           | 367.74                      | 0.45              | 43.41           |
| PROF (metros)                                                                | 0.7        | 0.76                | 0.808          | 0.7            | 1.095                       | 0.808             | 0.76            |
| MÁXIMO                                                                       | 13.23      | 13.23               | 2.14           | 7.09           | 2869.3                      | 0.56              | 43.66           |
| PROF (metros)                                                                | 1.771      | 1.851               | 1.639          | 1.98           | 0.894                       | 0.864             | 1.851           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E09 - Punto 019                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.09      | 49.8                | 0.73           | 6.04           | 1335.91                     | 0.5               | 43.49           |
| 1 - 2m                                                     | 13.21      | 50.0                | 1.04           | 6.73           | 793.79                      | 0.53              | 43.55           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.7                                                            | 13.07      | 49.78               | 0.99           | 5.97           | 680.75                      | 0.47              | 43.49           |
| 0.723                                                          | 13.09      | 49.84               | 0.69           | 5.97           | 771.69                      | 0.46              | 43.53           |
| 0.76                                                           | 13.11      | 49.75               | 0.92           | 5.99           | 1768.5                      | 0.48              | 43.41           |
| 0.769                                                          | 13.1       | 49.83               | 0.5            | 6.01           | 1435.5                      | 0.51              | 43.5            |
| 0.774                                                          | 13.07      | 49.87               | 0.11           | 6.04           | 1468.8                      | 0.49              | 43.58           |
| 0.782                                                          | 13.07      | 49.76               | 1.37           | 6.06           | 711.24                      | 0.5               | 43.47           |
| 0.808                                                          | 13.08      | 49.84               | 0.0            | 6.09           | 1281.4                      | 0.45              | 43.54           |
| 0.843                                                          | 13.09      | 49.8                | 0.84           | 6.13           | 2553.6                      | 0.53              | 43.49           |
| 0.864                                                          | 13.1       | 49.78               | 0.46           | 6.17           | 1297.2                      | 0.56              | 43.46           |
| 0.871                                                          | 13.07      | 49.84               | 0.0            | 6.24           | 705.16                      | 0.47              | 43.55           |
| 0.894                                                          | 13.07      | 49.92               | 0.0            | 6.26           | 2869.3                      | 0.47              | 43.62           |
| 0.964                                                          | 13.09      | 49.96               | 0.0            | 6.27           | 1714.8                      | 0.48              | 43.64           |
| 1.04                                                           | 13.12      | 49.8                | 0.0            | 6.29           | 673.69                      | 0.53              | 43.45           |
| 1.095                                                          | 13.14      | 49.82               | 0.0            | 6.32           | 367.74                      | 0.52              | 43.45           |
| 1.14                                                           | 13.12      | 49.99               | 1.91           | 6.35           | 395.96                      | 0.53              | 43.63           |
| 1.212                                                          | 13.15      | 49.83               | 0.69           | 6.44           | 1469.9                      | 0.49              | 43.45           |
| 1.239                                                          | 13.16      | 49.88               | 0.0            | 6.49           | 1100.2                      | 0.52              | 43.48           |
| 1.26                                                           | 13.17      | 49.91               | 0.0            | 6.54           | 495.78                      | 0.46              | 43.5            |
| 1.277                                                          | 13.17      | 49.92               | 0.0            | 6.58           | 854.94                      | 0.52              | 43.51           |
| 1.295                                                          | 13.18      | 49.9                | 0.0            | 6.6            | 737.94                      | 0.51              | 43.48           |
| 1.304                                                          | 13.18      | 49.88               | 0.0            | 6.61           | 2060.3                      | 0.52              | 43.46           |
| 1.318                                                          | 13.18      | 49.95               | 0.0            | 6.59           | 499.12                      | 0.52              | 43.53           |
| 1.349                                                          | 13.18      | 50.02               | 0.0            | 6.56           | 498.08                      | 0.51              | 43.59           |
| 1.385                                                          | 13.2       | 49.91               | 0.0            | 6.51           | 1038.5                      | 0.47              | 43.47           |
| 1.414                                                          | 13.2       | 49.91               | 0.0            | 6.46           | 581.22                      | 0.51              | 43.46           |
| 1.447                                                          | 13.21      | 50.04               | 0.0            | 6.43           | 2255.8                      | 0.52              | 43.58           |
| 1.49                                                           | 13.2       | 50.0                | 0.0            | 6.4            | 421.53                      | 0.51              | 43.55           |
| 1.526                                                          | 13.21      | 49.91               | 0.46           | 6.39           | 699.79                      | 0.5               | 43.45           |
| 1.567                                                          | 13.21      | 50.07               | 0.23           | 6.39           | 842.55                      | 0.54              | 43.61           |
| 1.604                                                          | 13.21      | 49.97               | 0.53           | 6.42           | 554.51                      | 0.53              | 43.51           |
| 1.639                                                          | 13.21      | 49.97               | 2.14           | 6.46           | 609.78                      | 0.56              | 43.51           |
| 1.669                                                          | 13.22      | 49.96               | 0.53           | 6.52           | 456.51                      | 0.56              | 43.5            |
| 1.728                                                          | 13.22      | 49.99               | 1.53           | 6.67           | 938.86                      | 0.5               | 43.52           |
| 1.746                                                          | 13.22      | 49.98               | 2.02           | 6.75           | 539.67                      | 0.53              | 43.51           |
| 1.755                                                          | 13.22      | 50.07               | 1.26           | 6.81           | 1774.6                      | 0.55              | 43.6            |
| 1.762                                                          | 13.22      | 49.99               | 0.69           | 6.87           | 468.63                      | 0.53              | 43.52           |
| 1.771                                                          | 13.23      | 49.96               | 1.79           | 6.92           | 1239.1                      | 0.54              | 43.49           |
| 1.777                                                          | 13.22      | 50.03               | 0.0            | 6.95           | 711.07                      | 0.53              | 43.56           |
| 1.785                                                          | 13.22      | 50.04               | 1.76           | 6.95           | 520.27                      | 0.53              | 43.57           |
| 1.8                                                            | 13.22      | 49.99               | 0.88           | 6.95           | 428.72                      | 0.52              | 43.52           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.851 | 13.22 | 50.13 | 0.88 | 6.94 | 585.41 | 0.48 | 43.66 |
| 1.931 | 13.23 | 50.09 | 0.8  | 6.91 | 1036.8 | 0.5  | 43.61 |
| 1.972 | 13.2  | 50.02 | 0.65 | 6.84 | 906.99 | 0.53 | 43.57 |
| 1.975 | 13.21 | 50.02 | 1.03 | 6.91 | 684.55 | 0.53 | 43.57 |
| 1.978 | 13.2  | 50.02 | 0.61 | 6.99 | 750.18 | 0.56 | 43.58 |
| 1.98  | 13.19 | 49.99 | 0.42 | 7.09 | 972.98 | 0.54 | 43.55 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|                                                                              | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| MÍNIMO                                                                       | 13.26      | 50.16               | 0.0            | 6.28           | 398.63                      | 0.41              | 43.55           |
| PROF (metros)                                                                | 0.723      | 0.738               | 0.762          | 1.146          | 4.778                       | 0.883             | 1.456           |
| MÁXIMO                                                                       | 13.55      | 13.55               | 2.79           | 8.41           | 1994.5                      | 0.58              | 43.89           |
| PROF (metros)                                                                | 4.632      | 4.573               | 1.226          | 4.787          | 0.742                       | 4.182             | 4.497           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E08 - Punto 020                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.28      | 50.21               | 0.72           | 7.02           | 1023.96                     | 0.48              | 43.67           |
| 1 - 2m                                                     | 13.38      | 50.3                | 1.97           | 6.61           | 1068.85                     | 0.48              | 43.64           |
| 2 - 3m                                                     | 13.43      | 50.42               | 1.53           | 6.83           | 783.68                      | 0.49              | 43.7            |
| 3 - 4m                                                     | 13.5       | 50.64               | 1.43           | 7.17           | 605.15                      | 0.52              | 43.84           |
| 4 - 5m                                                     | 13.54      | 50.74               | 1.05           | 8.21           | 462.59                      | 0.54              | 43.88           |

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

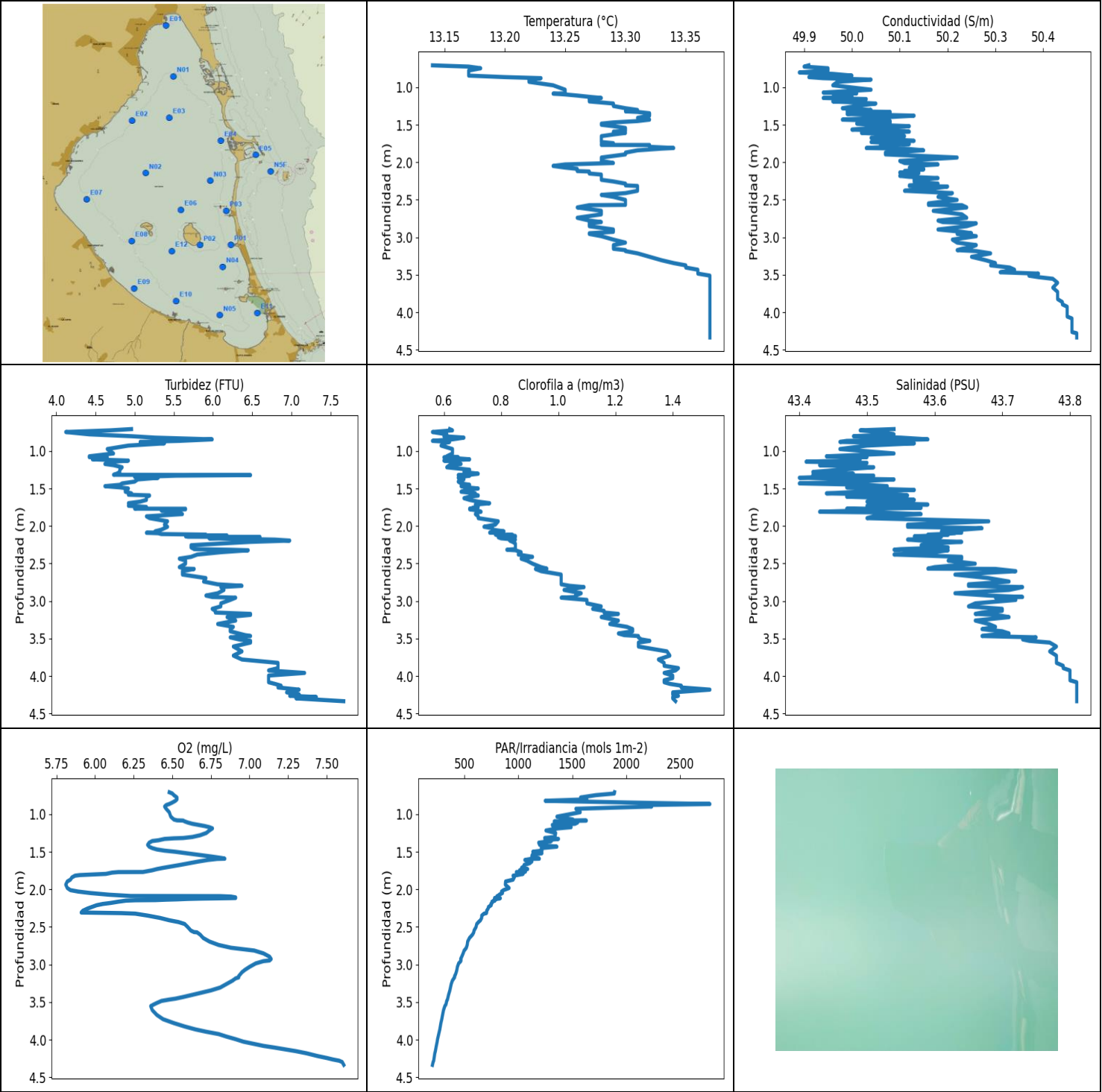
| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.7                                                            | 13.27      | 50.18               | 0.19           | 7.26           | 842.16                      | 0.47              | 43.65           |
| 0.723                                                          | 13.26      | 50.22               | 0.3            | 7.28           | 1039.7                      | 0.45              | 43.7            |
| 0.738                                                          | 13.26      | 50.16               | 0.15           | 7.27           | 672.28                      | 0.47              | 43.64           |
| 0.742                                                          | 13.27      | 50.19               | 0.23           | 7.24           | 1994.5                      | 0.43              | 43.67           |
| 0.75                                                           | 13.26      | 50.24               | 0.27           | 7.19           | 739.48                      | 0.47              | 43.72           |
| 0.762                                                          | 13.26      | 50.19               | 0.0            | 7.12           | 1316.3                      | 0.5               | 43.67           |
| 0.784                                                          | 13.26      | 50.18               | 0.0            | 7.05           | 803.64                      | 0.46              | 43.66           |
| 0.817                                                          | 13.27      | 50.22               | 0.8            | 6.99           | 1096.3                      | 0.49              | 43.69           |
| 0.85                                                           | 13.28      | 50.2                | 0.27           | 6.93           | 734.86                      | 0.51              | 43.66           |
| 0.872                                                          | 13.28      | 50.17               | 0.0            | 6.88           | 1563.0                      | 0.47              | 43.62           |
| 0.881                                                          | 13.28      | 50.22               | 0.0            | 6.83           | 638.12                      | 0.5               | 43.68           |
| 0.883                                                          | 13.28      | 50.21               | 0.0            | 6.8            | 1862.7                      | 0.41              | 43.68           |
| 0.89                                                           | 13.28      | 50.2                | 1.18           | 6.76           | 999.26                      | 0.44              | 43.66           |
| 0.917                                                          | 13.29      | 50.24               | 0.0            | 6.73           | 1235.6                      | 0.56              | 43.69           |
| 0.954                                                          | 13.31      | 50.21               | 2.44           | 6.7            | 1121.8                      | 0.53              | 43.63           |
| 0.98                                                           | 13.33      | 50.26               | 1.41           | 6.61           | 999.26                      | 0.5               | 43.66           |
| 1.036                                                          | 13.33      | 50.23               | 2.44           | 6.48           | 1322.4                      | 0.46              | 43.63           |
| 1.069                                                          | 13.34      | 50.26               | 2.63           | 6.43           | 1096.3                      | 0.47              | 43.65           |
| 1.095                                                          | 13.37      | 50.24               | 2.33           | 6.35           | 1716.0                      | 0.44              | 43.59           |
| 1.146                                                          | 13.37      | 50.21               | 2.33           | 6.28           | 1324.9                      | 0.43              | 43.56           |
| 1.165                                                          | 13.37      | 50.27               | 2.17           | 6.28           | 880.07                      | 0.46              | 43.62           |
| 1.172                                                          | 13.36      | 50.28               | 2.36           | 6.31           | 788.14                      | 0.51              | 43.65           |
| 1.177                                                          | 13.36      | 50.24               | 1.83           | 6.36           | 1684.9                      | 0.5               | 43.61           |
| 1.183                                                          | 13.36      | 50.24               | 1.76           | 6.42           | 909.52                      | 0.47              | 43.61           |
| 1.198                                                          | 13.37      | 50.29               | 2.44           | 6.5            | 1250.3                      | 0.48              | 43.65           |
| 1.226                                                          | 13.38      | 50.28               | 2.78           | 6.58           | 730.28                      | 0.49              | 43.63           |
| 1.251                                                          | 13.39      | 50.22               | 2.59           | 6.66           | 1325.5                      | 0.49              | 43.56           |
| 1.265                                                          | 13.39      | 50.28               | 2.17           | 6.71           | 756.29                      | 0.46              | 43.62           |
| 1.269                                                          | 13.37      | 50.31               | 1.68           | 6.74           | 1293.6                      | 0.46              | 43.66           |
| 1.275                                                          | 13.37      | 50.29               | 1.98           | 6.75           | 890.54                      | 0.49              | 43.64           |
| 1.299                                                          | 13.37      | 50.31               | 1.76           | 6.73           | 1137.8                      | 0.47              | 43.65           |
| 1.328                                                          | 13.38      | 50.24               | 1.98           | 6.7            | 1254.7                      | 0.44              | 43.58           |
| 1.35                                                           | 13.39      | 50.29               | 2.21           | 6.66           | 1376.9                      | 0.47              | 43.62           |
| 1.37                                                           | 13.38      | 50.32               | 2.14           | 6.62           | 954.88                      | 0.43              | 43.66           |
| 1.38                                                           | 13.38      | 50.27               | 1.6            | 6.58           | 1005.3                      | 0.45              | 43.61           |
| 1.384                                                          | 13.39      | 50.26               | 1.76           | 6.55           | 714.21                      | 0.49              | 43.59           |
| 1.391                                                          | 13.4       | 50.32               | 1.68           | 6.51           | 1358.5                      | 0.48              | 43.65           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.422 | 13.4  | 50.35 | 2.48 | 6.48 | 770.98 | 0.49 | 43.67 |
| 1.456 | 13.41 | 50.24 | 2.1  | 6.47 | 1052.5 | 0.47 | 43.55 |
| 1.46  | 13.38 | 50.34 | 1.53 | 6.45 | 1163.6 | 0.47 | 43.68 |
| 1.479 | 13.38 | 50.33 | 1.76 | 6.49 | 853.95 | 0.47 | 43.67 |
| 1.519 | 13.39 | 50.29 | 1.83 | 6.54 | 761.57 | 0.53 | 43.62 |
| 1.554 | 13.39 | 50.28 | 1.87 | 6.6  | 1739.6 | 0.47 | 43.6  |
| 1.576 | 13.4  | 50.32 | 1.6  | 6.69 | 998.8  | 0.54 | 43.64 |
| 1.596 | 13.39 | 50.39 | 2.33 | 6.68 | 1025.3 | 0.45 | 43.72 |
| 1.636 | 13.4  | 50.29 | 2.67 | 6.67 | 1223.1 | 0.51 | 43.61 |
| 1.678 | 13.4  | 50.32 | 2.1  | 6.64 | 1093.8 | 0.5  | 43.63 |
| 1.708 | 13.38 | 50.35 | 2.02 | 6.63 | 997.87 | 0.43 | 43.69 |
| 1.716 | 13.38 | 50.38 | 1.18 | 6.68 | 807.37 | 0.43 | 43.72 |
| 1.738 | 13.39 | 50.37 | 1.53 | 6.72 | 972.53 | 0.47 | 43.7  |
| 1.779 | 13.4  | 50.3  | 1.68 | 6.75 | 1163.9 | 0.47 | 43.61 |
| 1.822 | 13.4  | 50.33 | 1.87 | 6.8  | 814.33 | 0.49 | 43.64 |
| 1.847 | 13.39 | 50.36 | 1.64 | 6.85 | 931.49 | 0.5  | 43.69 |
| 1.848 | 13.39 | 50.34 | 1.41 | 6.9  | 1105.8 | 0.5  | 43.68 |
| 1.866 | 13.39 | 50.38 | 1.45 | 6.89 | 909.52 | 0.46 | 43.71 |
| 1.907 | 13.4  | 50.33 | 1.56 | 6.88 | 898.21 | 0.5  | 43.65 |
| 1.961 | 13.41 | 50.33 | 1.6  | 6.85 | 767.77 | 0.5  | 43.63 |
| 2.02  | 13.42 | 50.37 | 1.45 | 6.82 | 826.3  | 0.43 | 43.66 |
| 2.069 | 13.42 | 50.36 | 1.53 | 6.77 | 1141.7 | 0.48 | 43.65 |
| 2.095 | 13.42 | 50.33 | 1.34 | 6.72 | 661.16 | 0.47 | 43.62 |
| 2.11  | 13.42 | 50.4  | 1.41 | 6.66 | 633.41 | 0.47 | 43.69 |
| 2.135 | 13.42 | 50.42 | 1.14 | 6.62 | 700.28 | 0.5  | 43.71 |
| 2.171 | 13.43 | 50.34 | 1.41 | 6.58 | 1069.2 | 0.51 | 43.63 |
| 2.203 | 13.43 | 50.34 | 1.34 | 6.56 | 870.14 | 0.48 | 43.62 |
| 2.223 | 13.43 | 50.39 | 1.3  | 6.56 | 869.13 | 0.46 | 43.67 |
| 2.227 | 13.42 | 50.4  | 1.3  | 6.63 | 958.21 | 0.46 | 43.69 |
| 2.244 | 13.42 | 50.44 | 1.37 | 6.67 | 852.57 | 0.51 | 43.73 |
| 2.279 | 13.43 | 50.38 | 1.45 | 6.71 | 913.11 | 0.46 | 43.66 |
| 2.317 | 13.44 | 50.36 | 1.41 | 6.74 | 840.4  | 0.53 | 43.63 |
| 2.347 | 13.42 | 50.41 | 1.26 | 6.75 | 867.12 | 0.49 | 43.71 |
| 2.377 | 13.41 | 50.44 | 1.64 | 6.75 | 814.14 | 0.51 | 43.75 |
| 2.409 | 13.41 | 50.4  | 1.41 | 6.75 | 935.82 | 0.51 | 43.7  |
| 2.43  | 13.42 | 50.37 | 1.3  | 6.75 | 696.55 | 0.5  | 43.66 |
| 2.449 | 13.42 | 50.45 | 1.53 | 6.75 | 756.99 | 0.51 | 43.75 |
| 2.471 | 13.41 | 50.39 | 1.64 | 6.78 | 890.74 | 0.47 | 43.7  |
| 2.487 | 13.42 | 50.37 | 1.45 | 6.81 | 755.94 | 0.5  | 43.67 |
| 2.499 | 13.41 | 50.42 | 1.45 | 6.85 | 690.61 | 0.49 | 43.72 |
| 2.536 | 13.41 | 50.47 | 1.64 | 6.9  | 796.59 | 0.5  | 43.77 |
| 2.595 | 13.42 | 50.38 | 1.37 | 6.96 | 735.03 | 0.52 | 43.67 |
| 2.65  | 13.42 | 50.4  | 1.45 | 7.01 | 696.23 | 0.5  | 43.69 |
| 2.696 | 13.41 | 50.46 | 2.02 | 7.05 | 785.59 | 0.5  | 43.76 |
| 2.73  | 13.42 | 50.42 | 1.64 | 7.09 | 832.46 | 0.5  | 43.72 |
| 2.756 | 13.43 | 50.41 | 1.26 | 7.11 | 671.51 | 0.43 | 43.69 |
| 2.772 | 13.42 | 50.45 | 1.41 | 7.14 | 702.06 | 0.5  | 43.74 |
| 2.78  | 13.42 | 50.44 | 1.26 | 7.14 | 807.75 | 0.54 | 43.72 |
| 2.789 | 13.43 | 50.43 | 1.22 | 7.13 | 716.7  | 0.51 | 43.71 |
| 2.81  | 13.43 | 50.46 | 1.41 | 7.1  | 746.36 | 0.48 | 43.73 |
| 2.839 | 13.44 | 50.44 | 1.49 | 7.06 | 755.41 | 0.48 | 43.71 |
| 2.861 | 13.44 | 50.42 | 1.79 | 7.0  | 740.51 | 0.52 | 43.69 |
| 2.88  | 13.45 | 50.46 | 2.02 | 6.93 | 743.43 | 0.5  | 43.72 |
| 2.899 | 13.45 | 50.48 | 2.14 | 6.86 | 694.46 | 0.47 | 43.73 |
| 2.917 | 13.46 | 50.44 | 1.68 | 6.78 | 654.75 | 0.5  | 43.69 |
| 2.937 | 13.46 | 50.51 | 2.59 | 6.71 | 652.78 | 0.52 | 43.75 |
| 2.962 | 13.47 | 50.51 | 1.87 | 6.65 | 670.88 | 0.53 | 43.74 |
| 2.989 | 13.47 | 50.53 | 1.79 | 6.59 | 633.7  | 0.5  | 43.76 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.02  | 13.47 | 50.55 | 1.49 | 6.53 | 688.69 | 0.56 | 43.78 |
| 3.045 | 13.48 | 50.55 | 1.6  | 6.49 | 727.58 | 0.53 | 43.77 |
| 3.07  | 13.48 | 50.57 | 1.72 | 6.46 | 630.48 | 0.53 | 43.79 |
| 3.117 | 13.48 | 50.59 | 2.17 | 6.45 | 598.58 | 0.53 | 43.81 |
| 3.167 | 13.48 | 50.54 | 1.68 | 6.47 | 619.76 | 0.5  | 43.76 |
| 3.196 | 13.48 | 50.59 | 1.37 | 6.47 | 772.95 | 0.51 | 43.8  |
| 3.211 | 13.48 | 50.61 | 1.53 | 6.52 | 646.01 | 0.48 | 43.82 |
| 3.23  | 13.49 | 50.61 | 1.68 | 6.57 | 587.72 | 0.5  | 43.83 |
| 3.265 | 13.49 | 50.62 | 1.45 | 6.66 | 648.86 | 0.49 | 43.83 |
| 3.31  | 13.49 | 50.62 | 1.37 | 6.76 | 681.7  | 0.49 | 43.83 |
| 3.354 | 13.49 | 50.63 | 1.34 | 6.86 | 628.87 | 0.5  | 43.84 |
| 3.399 | 13.49 | 50.63 | 1.45 | 6.96 | 589.08 | 0.5  | 43.84 |
| 3.438 | 13.49 | 50.63 | 1.49 | 7.05 | 596.78 | 0.51 | 43.84 |
| 3.467 | 13.49 | 50.64 | 1.76 | 7.14 | 647.36 | 0.53 | 43.84 |
| 3.491 | 13.49 | 50.64 | 2.06 | 7.21 | 600.53 | 0.48 | 43.84 |
| 3.52  | 13.5  | 50.65 | 1.03 | 7.28 | 599.28 | 0.54 | 43.85 |
| 3.551 | 13.5  | 50.66 | 1.18 | 7.34 | 632.53 | 0.55 | 43.85 |
| 3.579 | 13.5  | 50.66 | 1.22 | 7.4  | 569.35 | 0.56 | 43.85 |
| 3.608 | 13.5  | 50.66 | 1.18 | 7.47 | 534.81 | 0.53 | 43.85 |
| 3.633 | 13.5  | 50.66 | 1.07 | 7.54 | 615.18 | 0.52 | 43.85 |
| 3.662 | 13.5  | 50.66 | 1.14 | 7.6  | 548.37 | 0.52 | 43.85 |
| 3.702 | 13.5  | 50.66 | 1.45 | 7.67 | 550.66 | 0.53 | 43.85 |
| 3.744 | 13.51 | 50.67 | 1.87 | 7.73 | 587.72 | 0.54 | 43.86 |
| 3.777 | 13.51 | 50.67 | 1.64 | 7.78 | 537.42 | 0.53 | 43.86 |
| 3.792 | 13.51 | 50.68 | 1.14 | 7.83 | 565.67 | 0.5  | 43.86 |
| 3.804 | 13.51 | 50.7  | 0.95 | 7.87 | 583.51 | 0.52 | 43.88 |
| 3.845 | 13.52 | 50.71 | 1.22 | 7.9  | 572.0  | 0.55 | 43.88 |
| 3.915 | 13.52 | 50.72 | 1.11 | 7.94 | 501.32 | 0.54 | 43.88 |
| 3.979 | 13.53 | 50.72 | 1.07 | 7.97 | 486.67 | 0.53 | 43.88 |
| 4.034 | 13.53 | 50.73 | 1.14 | 8.0  | 508.35 | 0.51 | 43.88 |
| 4.07  | 13.54 | 50.73 | 0.92 | 8.03 | 524.62 | 0.56 | 43.88 |
| 4.084 | 13.54 | 50.73 | 0.84 | 8.04 | 544.95 | 0.53 | 43.88 |
| 4.096 | 13.54 | 50.73 | 0.8  | 8.07 | 514.63 | 0.54 | 43.88 |
| 4.119 | 13.54 | 50.73 | 0.8  | 8.07 | 493.14 | 0.53 | 43.88 |
| 4.151 | 13.54 | 50.73 | 1.07 | 8.07 | 483.41 | 0.55 | 43.88 |
| 4.182 | 13.54 | 50.73 | 1.34 | 8.05 | 505.76 | 0.58 | 43.88 |
| 4.198 | 13.54 | 50.73 | 1.18 | 8.05 | 507.29 | 0.52 | 43.88 |
| 4.203 | 13.54 | 50.73 | 0.88 | 8.04 | 505.76 | 0.55 | 43.88 |
| 4.205 | 13.54 | 50.73 | 0.8  | 8.04 | 513.68 | 0.54 | 43.88 |
| 4.214 | 13.54 | 50.73 | 0.84 | 8.05 | 503.77 | 0.52 | 43.88 |
| 4.246 | 13.54 | 50.74 | 1.22 | 8.08 | 489.04 | 0.49 | 43.88 |
| 4.311 | 13.54 | 50.74 | 0.95 | 8.11 | 471.9  | 0.53 | 43.88 |
| 4.38  | 13.54 | 50.74 | 0.76 | 8.14 | 472.66 | 0.51 | 43.88 |
| 4.433 | 13.54 | 50.74 | 0.72 | 8.18 | 469.61 | 0.56 | 43.88 |
| 4.464 | 13.54 | 50.74 | 0.8  | 8.22 | 480.51 | 0.56 | 43.88 |
| 4.479 | 13.54 | 50.74 | 0.8  | 8.24 | 472.12 | 0.52 | 43.88 |
| 4.497 | 13.54 | 50.74 | 0.72 | 8.26 | 448.33 | 0.54 | 43.89 |
| 4.52  | 13.54 | 50.74 | 0.72 | 8.26 | 444.2  | 0.58 | 43.89 |
| 4.547 | 13.54 | 50.74 | 0.69 | 8.26 | 474.2  | 0.56 | 43.89 |
| 4.573 | 13.54 | 50.75 | 0.69 | 8.23 | 476.84 | 0.56 | 43.89 |
| 4.597 | 13.54 | 50.75 | 0.8  | 8.21 | 470.15 | 0.55 | 43.89 |
| 4.632 | 13.55 | 50.75 | 0.99 | 8.21 | 472.33 | 0.53 | 43.89 |
| 4.678 | 13.55 | 50.75 | 0.99 | 8.21 | 446.26 | 0.53 | 43.89 |
| 4.726 | 13.55 | 50.75 | 0.92 | 8.23 | 455.88 | 0.53 | 43.89 |
| 4.749 | 13.55 | 50.75 | 1.37 | 8.25 | 456.83 | 0.56 | 43.89 |
| 4.755 | 13.55 | 50.75 | 1.14 | 8.28 | 418.41 | 0.58 | 43.89 |
| 4.757 | 13.55 | 50.75 | 1.34 | 8.32 | 415.51 | 0.57 | 43.89 |
| 4.758 | 13.55 | 50.75 | 1.11 | 8.35 | 443.99 | 0.51 | 43.89 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.76  | 13.55 | 50.75 | 0.92 | 8.37 | 428.82 | 0.56 | 43.88 |
| 4.761 | 13.55 | 50.75 | 1.18 | 8.37 | 424.57 | 0.54 | 43.88 |
| 4.763 | 13.55 | 50.75 | 0.95 | 8.37 | 420.07 | 0.53 | 43.89 |
| 4.766 | 13.55 | 50.75 | 1.83 | 8.36 | 412.54 | 0.51 | 43.89 |
| 4.769 | 13.55 | 50.75 | 1.6  | 8.37 | 414.17 | 0.54 | 43.89 |
| 4.77  | 13.55 | 50.75 | 1.72 | 8.36 | 419.19 | 0.52 | 43.89 |
| 4.774 | 13.55 | 50.75 | 1.03 | 8.37 | 408.83 | 0.56 | 43.89 |
| 4.778 | 13.55 | 50.75 | 1.07 | 8.38 | 398.63 | 0.55 | 43.89 |
| 4.784 | 13.55 | 50.75 | 2.1  | 8.4  | 412.44 | 0.53 | 43.89 |
| 4.787 | 13.55 | 50.75 | 1.34 | 8.41 | 417.54 | 0.5  | 43.89 |



| 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                                                                       | 13.14      | 49.89               | 4.12           | 5.81           | 206.73                      | 0.56              | 43.4            |
| PROF (metros)                                                                | 0.708      | 0.803               | 0.747          | 1.937          | 4.335                       | 0.747             | 1.357           |
| MÁXIMO                                                                       | 13.37      | 13.37               | 7.67           | 7.61           | 2774.5                      | 1.53              | 43.81           |
| PROF (metros)                                                                | 3.511      | 4.279               | 4.335          | 4.335          | 0.865                       | 4.181             | 4.082           |

| DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| CTD E07 - Punto 021                                        | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0 - 1m                                                     | 13.19      | 49.95               | 5.0            | 6.49           | 1853.91                     | 0.61              | 43.51           |
| 1 - 2m                                                     | 13.29      | 50.05               | 5.02           | 6.44           | 1189.9                      | 0.68              | 43.5            |
| 2 - 3m                                                     | 13.28      | 50.17               | 5.88           | 6.52           | 677.71                      | 0.89              | 43.63           |
| 3 - 4m                                                     | 13.34      | 50.34               | 6.38           | 6.69           | 344.37                      | 1.27              | 43.73           |
| 4 - 5m                                                     | 13.37      | 50.46               | 6.98           | 7.34           | 229.28                      | 1.41              | 43.81           |

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

| DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA |            |                     |                |                |                             |                   |                 |
|----------------------------------------------------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| Profundidad (m)                                                | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
| 0.708                                                          | 13.14      | 49.91               | 4.96           | 6.48           | 1892.3                      | 0.62              | 43.54           |
| 0.725                                                          | 13.17      | 49.9                | 4.69           | 6.5            | 1890.1                      | 0.63              | 43.49           |
| 0.747                                                          | 13.18      | 49.95               | 4.12           | 6.51           | 1719.6                      | 0.56              | 43.52           |
| 0.778                                                          | 13.17      | 49.95               | 4.42           | 6.53           | 1577.5                      | 0.61              | 43.54           |
| 0.803                                                          | 13.17      | 49.89               | 4.96           | 6.53           | 1635.2                      | 0.6               | 43.48           |
| 0.822                                                          | 13.17      | 49.96               | 5.26           | 6.52           | 1250.3                      | 0.67              | 43.55           |
| 0.845                                                          | 13.17      | 50.0                | 5.99           | 6.5            | 2018.3                      | 0.63              | 43.59           |
| 0.865                                                          | 13.2       | 49.91               | 5.57           | 6.48           | 2774.5                      | 0.56              | 43.47           |
| 0.879                                                          | 13.23      | 49.94               | 5.07           | 6.46           | 2144.6                      | 0.62              | 43.46           |
| 0.898                                                          | 13.22      | 50.04               | 5.38           | 6.45           | 2236.0                      | 0.6               | 43.57           |
| 0.928                                                          | 13.22      | 49.97               | 4.92           | 6.46           | 1534.3                      | 0.59              | 43.5            |
| 0.974                                                          | 13.24      | 49.96               | 4.65           | 6.48           | 1574.2                      | 0.63              | 43.46           |
| 1.033                                                          | 13.25      | 50.04               | 4.73           | 6.49           | 1358.5                      | 0.63              | 43.54           |
| 1.071                                                          | 13.25      | 49.94               | 4.42           | 6.51           | 1506.4                      | 0.61              | 43.44           |
| 1.082                                                          | 13.25      | 50.01               | 4.42           | 6.53           | 1399.1                      | 0.65              | 43.5            |
| 1.085                                                          | 13.24      | 49.96               | 4.65           | 6.57           | 1631.1                      | 0.6               | 43.47           |
| 1.096                                                          | 13.25      | 49.97               | 4.54           | 6.58           | 1333.5                      | 0.64              | 43.47           |
| 1.111                                                          | 13.26      | 50.0                | 4.46           | 6.6            | 1550.0                      | 0.69              | 43.49           |
| 1.128                                                          | 13.27      | 50.0                | 4.92           | 6.63           | 1526.1                      | 0.6               | 43.47           |
| 1.143                                                          | 13.28      | 49.94               | 4.73           | 6.67           | 1315.7                      | 0.64              | 43.41           |
| 1.158                                                          | 13.27      | 50.03               | 4.73           | 6.71           | 1321.5                      | 0.64              | 43.5            |
| 1.173                                                          | 13.27      | 50.02               | 4.62           | 6.74           | 1490.1                      | 0.66              | 43.49           |
| 1.189                                                          | 13.27      | 49.96               | 4.73           | 6.76           | 1367.0                      | 0.62              | 43.43           |
| 1.217                                                          | 13.29      | 50.05               | 4.84           | 6.74           | 1257.0                      | 0.61              | 43.51           |
| 1.25                                                           | 13.29      | 50.01               | 4.81           | 6.72           | 1347.2                      | 0.69              | 43.46           |
| 1.28                                                           | 13.3       | 49.98               | 4.81           | 6.68           | 1343.4                      | 0.67              | 43.42           |
| 1.303                                                          | 13.31      | 50.04               | 4.77           | 6.63           | 1338.2                      | 0.72              | 43.48           |
| 1.317                                                          | 13.31      | 50.03               | 4.73           | 6.57           | 1245.4                      | 0.69              | 43.46           |
| 1.321                                                          | 13.3       | 49.99               | 6.48           | 6.51           | 1312.1                      | 0.65              | 43.42           |
| 1.329                                                          | 13.31      | 50.08               | 5.53           | 6.45           | 1373.4                      | 0.69              | 43.51           |
| 1.347                                                          | 13.32      | 50.01               | 5.0            | 6.41           | 1249.7                      | 0.66              | 43.43           |
| 1.357                                                          | 13.32      | 49.99               | 5.3            | 6.37           | 1306.9                      | 0.65              | 43.4            |
| 1.379                                                          | 13.32      | 50.13               | 5.04           | 6.35           | 1190.1                      | 0.67              | 43.54           |
| 1.408                                                          | 13.31      | 50.05               | 5.0            | 6.34           | 1198.7                      | 0.65              | 43.48           |
| 1.432                                                          | 13.32      | 49.98               | 4.84           | 6.35           | 1358.2                      | 0.66              | 43.4            |
| 1.451                                                          | 13.31      | 50.08               | 4.81           | 6.37           | 1213.8                      | 0.69              | 43.5            |
| 1.469                                                          | 13.29      | 50.08               | 4.62           | 6.4            | 1217.4                      | 0.66              | 43.53           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.485 | 13.28 | 50.01 | 4.81 | 6.45 | 1220.5 | 0.68 | 43.47 |
| 1.5   | 13.28 | 50.04 | 4.92 | 6.52 | 1135.4 | 0.72 | 43.5  |
| 1.519 | 13.29 | 50.12 | 4.88 | 6.59 | 1220.0 | 0.68 | 43.57 |
| 1.543 | 13.3  | 50.04 | 4.88 | 6.68 | 1129.3 | 0.66 | 43.49 |
| 1.565 | 13.3  | 50.0  | 4.96 | 6.76 | 1126.2 | 0.71 | 43.44 |
| 1.583 | 13.3  | 50.11 | 4.92 | 6.82 | 1170.1 | 0.71 | 43.55 |
| 1.592 | 13.29 | 50.12 | 5.19 | 6.84 | 1196.2 | 0.72 | 43.56 |
| 1.595 | 13.29 | 50.11 | 5.19 | 6.79 | 1118.4 | 0.72 | 43.55 |
| 1.609 | 13.3  | 50.02 | 5.15 | 6.73 | 1061.6 | 0.69 | 43.47 |
| 1.629 | 13.29 | 50.09 | 5.15 | 6.67 | 1126.7 | 0.67 | 43.54 |
| 1.652 | 13.28 | 50.11 | 5.15 | 6.61 | 1106.8 | 0.69 | 43.57 |
| 1.675 | 13.28 | 50.04 | 5.07 | 6.55 | 1054.7 | 0.72 | 43.5  |
| 1.696 | 13.28 | 50.09 | 4.92 | 6.49 | 1052.0 | 0.76 | 43.54 |
| 1.714 | 13.28 | 50.13 | 4.96 | 6.44 | 1031.3 | 0.71 | 43.59 |
| 1.73  | 13.28 | 50.04 | 4.92 | 6.4  | 1088.0 | 0.71 | 43.5  |
| 1.746 | 13.29 | 50.09 | 5.15 | 6.37 | 1013.0 | 0.72 | 43.54 |
| 1.757 | 13.28 | 50.12 | 5.07 | 6.34 | 1021.0 | 0.7  | 43.58 |
| 1.764 | 13.28 | 50.08 | 5.0  | 6.32 | 1067.5 | 0.7  | 43.54 |
| 1.769 | 13.28 | 50.06 | 5.0  | 6.31 | 1011.1 | 0.69 | 43.52 |
| 1.77  | 13.32 | 50.06 | 5.65 | 6.15 | 982.95 | 0.7  | 43.47 |
| 1.777 | 13.32 | 50.08 | 5.65 | 6.11 | 986.15 | 0.69 | 43.5  |
| 1.794 | 13.32 | 50.08 | 5.34 | 6.07 | 1045.5 | 0.72 | 43.49 |
| 1.81  | 13.34 | 50.03 | 5.49 | 5.9  | 990.27 | 0.73 | 43.43 |
| 1.818 | 13.33 | 50.11 | 5.53 | 5.87 | 952.45 | 0.72 | 43.51 |
| 1.841 | 13.31 | 50.15 | 5.61 | 5.85 | 963.56 | 0.71 | 43.58 |
| 1.871 | 13.3  | 50.07 | 5.15 | 5.84 | 952.89 | 0.72 | 43.51 |
| 1.895 | 13.3  | 50.07 | 5.19 | 5.82 | 883.55 | 0.72 | 43.5  |
| 1.937 | 13.28 | 50.22 | 5.42 | 5.81 | 881.09 | 0.79 | 43.68 |
| 1.982 | 13.28 | 50.1  | 5.38 | 5.82 | 915.87 | 0.78 | 43.56 |
| 2.01  | 13.29 | 50.11 | 5.42 | 5.84 | 864.91 | 0.74 | 43.56 |
| 2.029 | 13.25 | 50.18 | 5.38 | 5.89 | 845.68 | 0.77 | 43.67 |
| 2.049 | 13.24 | 50.13 | 5.34 | 5.97 | 854.74 | 0.77 | 43.64 |
| 2.071 | 13.25 | 50.12 | 5.26 | 6.09 | 824.01 | 0.81 | 43.61 |
| 2.088 | 13.26 | 50.15 | 5.3  | 6.23 | 817.35 | 0.76 | 43.64 |
| 2.09  | 13.26 | 50.14 | 5.15 | 6.81 | 804.01 | 0.79 | 43.63 |
| 2.096 | 13.26 | 50.15 | 5.3  | 6.88 | 823.82 | 0.79 | 43.63 |
| 2.107 | 13.26 | 50.13 | 5.34 | 6.91 | 810.56 | 0.79 | 43.61 |
| 2.115 | 13.26 | 50.11 | 5.91 | 6.91 | 781.59 | 0.78 | 43.59 |
| 2.117 | 13.26 | 50.13 | 5.84 | 6.87 | 834.97 | 0.84 | 43.62 |
| 2.123 | 13.27 | 50.12 | 5.72 | 6.68 | 824.01 | 0.82 | 43.6  |
| 2.127 | 13.27 | 50.13 | 6.18 | 6.6  | 784.32 | 0.82 | 43.6  |
| 2.133 | 13.27 | 50.11 | 5.95 | 6.53 | 794.38 | 0.85 | 43.58 |
| 2.137 | 13.27 | 50.1  | 5.65 | 6.46 | 789.61 | 0.83 | 43.57 |
| 2.143 | 13.27 | 50.14 | 5.68 | 6.39 | 784.14 | 0.85 | 43.61 |
| 2.145 | 13.27 | 50.12 | 6.6  | 6.26 | 775.28 | 0.8  | 43.59 |
| 2.15  | 13.27 | 50.12 | 6.29 | 6.2  | 784.14 | 0.79 | 43.58 |
| 2.164 | 13.28 | 50.13 | 5.95 | 6.15 | 757.34 | 0.8  | 43.6  |
| 2.181 | 13.28 | 50.1  | 6.79 | 6.1  | 758.22 | 0.85 | 43.56 |
| 2.194 | 13.28 | 50.12 | 6.98 | 6.05 | 747.4  | 0.83 | 43.58 |
| 2.211 | 13.28 | 50.18 | 6.48 | 6.01 | 750.35 | 0.84 | 43.64 |
| 2.234 | 13.28 | 50.13 | 6.1  | 5.98 | 725.05 | 0.85 | 43.59 |
| 2.256 | 13.29 | 50.13 | 5.72 | 5.95 | 721.7  | 0.85 | 43.58 |
| 2.285 | 13.3  | 50.18 | 5.72 | 5.92 | 708.11 | 0.85 | 43.62 |
| 2.308 | 13.3  | 50.12 | 5.76 | 5.91 | 708.44 | 0.85 | 43.55 |
| 2.316 | 13.31 | 50.12 | 6.22 | 6.17 | 705.82 | 0.82 | 43.54 |
| 2.323 | 13.31 | 50.2  | 6.45 | 6.26 | 683.91 | 0.85 | 43.62 |
| 2.349 | 13.31 | 50.17 | 6.1  | 6.34 | 662.54 | 0.87 | 43.6  |
| 2.38  | 13.31 | 50.11 | 5.8  | 6.42 | 662.08 | 0.86 | 43.54 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.411 | 13.3  | 50.21 | 5.72 | 6.48 | 650.82 | 0.91 | 43.64 |
| 2.435 | 13.28 | 50.19 | 5.57 | 6.54 | 632.97 | 0.87 | 43.64 |
| 2.461 | 13.29 | 50.18 | 5.65 | 6.58 | 616.46 | 0.89 | 43.62 |
| 2.502 | 13.3  | 50.22 | 5.65 | 6.6  | 609.64 | 0.91 | 43.66 |
| 2.548 | 13.3  | 50.16 | 5.57 | 6.62 | 591.55 | 0.94 | 43.6  |
| 2.568 | 13.3  | 50.16 | 5.65 | 6.64 | 588.68 | 0.96 | 43.59 |
| 2.572 | 13.27 | 50.23 | 5.76 | 6.66 | 588.68 | 0.92 | 43.69 |
| 2.602 | 13.26 | 50.24 | 5.61 | 6.68 | 577.19 | 0.94 | 43.72 |
| 2.647 | 13.28 | 50.17 | 5.61 | 6.7  | 549.13 | 1.01 | 43.63 |
| 2.694 | 13.28 | 50.23 | 5.91 | 6.74 | 532.46 | 1.01 | 43.68 |
| 2.74  | 13.26 | 50.24 | 5.88 | 6.8  | 528.16 | 1.01 | 43.71 |
| 2.777 | 13.27 | 50.18 | 6.06 | 6.88 | 519.9  | 1.01 | 43.65 |
| 2.797 | 13.28 | 50.19 | 6.37 | 6.96 | 510.23 | 1.04 | 43.65 |
| 2.814 | 13.27 | 50.26 | 6.1  | 7.03 | 499.7  | 1.09 | 43.73 |
| 2.852 | 13.27 | 50.24 | 6.14 | 7.09 | 490.63 | 1.02 | 43.71 |
| 2.896 | 13.29 | 50.18 | 6.06 | 7.13 | 477.51 | 1.08 | 43.63 |
| 2.927 | 13.29 | 50.23 | 5.91 | 7.14 | 467.33 | 1.06 | 43.68 |
| 2.946 | 13.27 | 50.25 | 5.99 | 7.13 | 470.91 | 1.06 | 43.73 |
| 2.955 | 13.27 | 50.22 | 6.29 | 7.09 | 468.74 | 1.01 | 43.69 |
| 2.985 | 13.28 | 50.26 | 6.22 | 7.04 | 448.75 | 1.1  | 43.72 |
| 3.031 | 13.29 | 50.21 | 6.1  | 7.0  | 437.45 | 1.1  | 43.66 |
| 3.071 | 13.3  | 50.22 | 6.1  | 6.97 | 432.51 | 1.15 | 43.65 |
| 3.104 | 13.29 | 50.26 | 5.99 | 6.95 | 426.24 | 1.12 | 43.7  |
| 3.13  | 13.29 | 50.25 | 6.03 | 6.94 | 420.16 | 1.16 | 43.7  |
| 3.153 | 13.29 | 50.23 | 6.03 | 6.93 | 411.58 | 1.16 | 43.67 |
| 3.171 | 13.3  | 50.22 | 6.48 | 6.93 | 411.49 | 1.21 | 43.66 |
| 3.184 | 13.3  | 50.26 | 6.48 | 6.91 | 404.4  | 1.18 | 43.69 |
| 3.214 | 13.31 | 50.29 | 6.18 | 6.89 | 390.94 | 1.15 | 43.71 |
| 3.26  | 13.32 | 50.25 | 6.29 | 6.85 | 380.22 | 1.21 | 43.66 |
| 3.306 | 13.33 | 50.28 | 6.06 | 6.81 | 373.15 | 1.18 | 43.68 |
| 3.344 | 13.34 | 50.3  | 6.26 | 6.75 | 367.65 | 1.24 | 43.69 |
| 3.374 | 13.35 | 50.29 | 6.22 | 6.69 | 361.32 | 1.26 | 43.67 |
| 3.403 | 13.35 | 50.33 | 6.22 | 6.63 | 355.58 | 1.26 | 43.7  |
| 3.432 | 13.36 | 50.34 | 6.33 | 6.57 | 351.0  | 1.21 | 43.71 |
| 3.454 | 13.36 | 50.32 | 6.41 | 6.52 | 348.0  | 1.23 | 43.68 |
| 3.466 | 13.36 | 50.31 | 6.48 | 6.48 | 345.43 | 1.28 | 43.67 |
| 3.484 | 13.36 | 50.39 | 6.22 | 6.43 | 338.46 | 1.28 | 43.75 |
| 3.511 | 13.37 | 50.37 | 6.33 | 6.4  | 334.71 | 1.29 | 43.73 |
| 3.531 | 13.37 | 50.39 | 6.48 | 6.38 | 331.32 | 1.32 | 43.74 |
| 3.553 | 13.37 | 50.42 | 6.48 | 6.36 | 321.03 | 1.28 | 43.77 |
| 3.606 | 13.37 | 50.43 | 6.26 | 6.37 | 309.13 | 1.28 | 43.78 |
| 3.671 | 13.37 | 50.42 | 6.37 | 6.4  | 300.1  | 1.38 | 43.77 |
| 3.727 | 13.37 | 50.43 | 6.26 | 6.44 | 292.95 | 1.39 | 43.78 |
| 3.779 | 13.37 | 50.43 | 6.37 | 6.51 | 284.58 | 1.35 | 43.78 |
| 3.824 | 13.37 | 50.43 | 6.83 | 6.58 | 279.1  | 1.37 | 43.78 |
| 3.863 | 13.37 | 50.44 | 6.83 | 6.65 | 274.67 | 1.37 | 43.79 |
| 3.894 | 13.37 | 50.44 | 6.83 | 6.72 | 269.81 | 1.42 | 43.79 |
| 3.925 | 13.37 | 50.45 | 6.71 | 6.8  | 265.22 | 1.41 | 43.8  |
| 3.958 | 13.37 | 50.45 | 7.17 | 6.85 | 259.27 | 1.37 | 43.8  |
| 3.993 | 13.37 | 50.45 | 6.71 | 6.91 | 253.68 | 1.4  | 43.8  |
| 4.026 | 13.37 | 50.45 | 6.71 | 6.96 | 250.23 | 1.4  | 43.8  |
| 4.056 | 13.37 | 50.45 | 6.71 | 7.03 | 245.75 | 1.37 | 43.8  |
| 4.082 | 13.37 | 50.46 | 6.71 | 7.09 | 242.36 | 1.37 | 43.81 |
| 4.104 | 13.37 | 50.46 | 6.79 | 7.16 | 239.79 | 1.39 | 43.81 |
| 4.128 | 13.37 | 50.46 | 6.87 | 7.23 | 236.42 | 1.43 | 43.81 |
| 4.152 | 13.37 | 50.46 | 6.83 | 7.3  | 233.42 | 1.43 | 43.81 |
| 4.181 | 13.37 | 50.46 | 7.1  | 7.37 | 228.24 | 1.53 | 43.81 |
| 4.217 | 13.37 | 50.46 | 6.94 | 7.44 | 224.67 | 1.4  | 43.81 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.243 | 13.37 | 50.46 | 7.1  | 7.5  | 221.92 | 1.4  | 43.81 |
| 4.263 | 13.37 | 50.46 | 6.98 | 7.54 | 220.28 | 1.42 | 43.81 |
| 4.279 | 13.37 | 50.47 | 7.32 | 7.58 | 218.15 | 1.4  | 43.81 |
| 4.297 | 13.37 | 50.47 | 7.06 | 7.6  | 212.66 | 1.4  | 43.81 |
| 4.335 | 13.37 | 50.47 | 7.67 | 7.61 | 206.73 | 1.41 | 43.81 |