

| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                                |                 |
|--|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
|  | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
| <b>MÍNIMO</b>  | 13.3       | 49.68               | 0.5            | 8.6            | 6.75                        | 0.94                           | 43.13           |
| <b>PROF (metros)</b>   | 0.706      | 0.706               | 0.758          | 4.135          | 2.853                       | 0.73                           | 0.706           |
| <b>MÁXIMO</b>  | 13.41      | 13.41               | 5.49           | 8.86           | 12.37                       | 1.65                           | 43.41           |
| <b>PROF (metros)</b>   | 3.547      | 3.966               | 4.508          | 3.3            | 0.706                       | 4.508                          | 3.869           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E07 - Punto 001 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.3       | 49.68               | 0.62           | 8.76           | 10.54                       | 0.97              | 43.13           |
| 1 - 2m              | 13.33      | 49.81               | 0.69           | 8.74           | 8.3                         | 1.0               | 43.22           |
| 2 - 3m              | 13.39      | 50.04               | 1.35           | 8.79           | 7.02                        | 1.13              | 43.37           |
| 3 - 4m              | 13.41      | 50.08               | 2.42           | 8.81           | 7.33                        | 1.23              | 43.4            |
| 4 - 5m              | 13.41      | 50.1                | 4.44           | 8.64           | 7.27                        | 1.58              | 43.41           |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

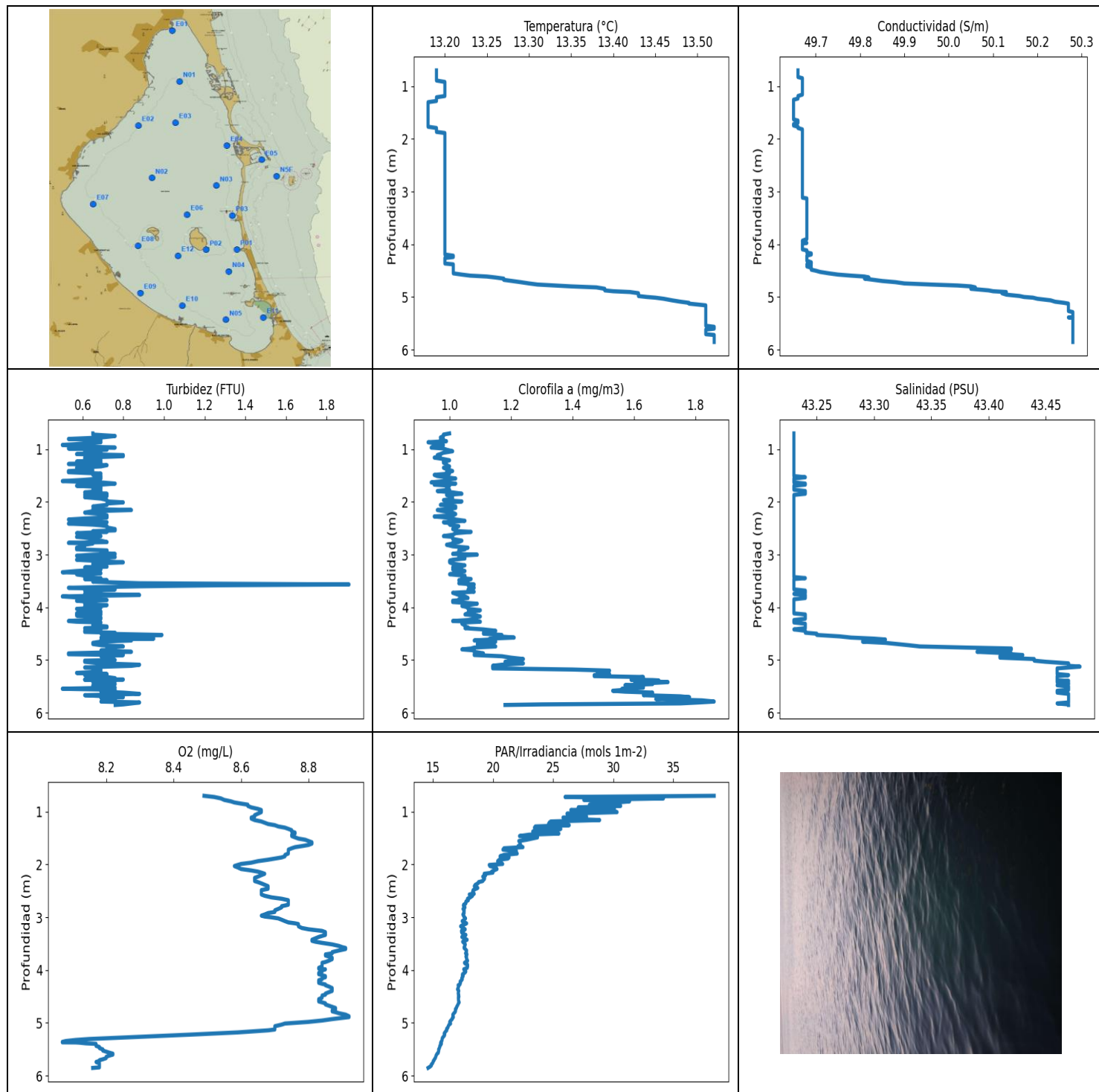
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.706           | 13.3       | 49.68               | 0.72           | 8.71           | 12.37                       | 0.95              | 43.13           |
| 0.73            | 13.3       | 49.68               | 0.61           | 8.74           | 11.38                       | 0.94              | 43.13           |
| 0.758           | 13.3       | 49.68               | 0.5            | 8.75           | 12.03                       | 0.95              | 43.13           |
| 0.782           | 13.3       | 49.68               | 0.69           | 8.77           | 10.1                        | 0.95              | 43.13           |
| 0.808           | 13.3       | 49.68               | 0.57           | 8.77           | 9.8                         | 0.97              | 43.13           |
| 0.84            | 13.3       | 49.68               | 0.53           | 8.77           | 10.12                       | 1.0               | 43.13           |
| 0.866           | 13.3       | 49.68               | 0.72           | 8.76           | 11.06                       | 0.98              | 43.13           |
| 0.888           | 13.3       | 49.68               | 0.69           | 8.75           | 9.7                         | 0.98              | 43.13           |
| 0.917           | 13.3       | 49.68               | 0.53           | 8.76           | 9.7                         | 0.96              | 43.13           |
| 0.948           | 13.3       | 49.68               | 0.57           | 8.77           | 9.12                        | 0.99              | 43.13           |
| 0.98            | 13.3       | 49.68               | 0.72           | 8.77           | 10.51                       | 0.98              | 43.13           |
| 1.007           | 13.3       | 49.68               | 0.57           | 8.77           | 10.35                       | 0.95              | 43.13           |
| 1.039           | 13.3       | 49.68               | 0.72           | 8.77           | 7.91                        | 0.96              | 43.13           |
| 1.082           | 13.3       | 49.69               | 0.69           | 8.76           | 9.29                        | 0.95              | 43.14           |
| 1.119           | 13.3       | 49.71               | 0.88           | 8.75           | 9.96                        | 0.96              | 43.16           |
| 1.151           | 13.3       | 49.71               | 0.84           | 8.73           | 9.75                        | 1.0               | 43.15           |
| 1.176           | 13.31      | 49.71               | 0.76           | 8.72           | 8.36                        | 0.98              | 43.15           |
| 1.194           | 13.31      | 49.71               | 0.65           | 8.71           | 8.94                        | 0.97              | 43.15           |
| 1.211           | 13.31      | 49.72               | 0.65           | 8.72           | 9.37                        | 1.01              | 43.15           |
| 1.234           | 13.31      | 49.72               | 0.76           | 8.72           | 9.46                        | 0.97              | 43.15           |
| 1.265           | 13.31      | 49.72               | 0.61           | 8.73           | 8.86                        | 0.95              | 43.15           |
| 1.296           | 13.31      | 49.71               | 0.65           | 8.74           | 8.53                        | 0.98              | 43.15           |
| 1.324           | 13.31      | 49.71               | 0.65           | 8.74           | 8.78                        | 1.01              | 43.15           |
| 1.35            | 13.31      | 49.71               | 0.8            | 8.73           | 8.93                        | 0.98              | 43.15           |
| 1.38            | 13.31      | 49.72               | 0.76           | 8.72           | 8.21                        | 0.98              | 43.15           |
| 1.412           | 13.31      | 49.73               | 0.69           | 8.7            | 8.29                        | 0.98              | 43.16           |
| 1.443           | 13.31      | 49.74               | 0.57           | 8.69           | 8.54                        | 1.05              | 43.17           |
| 1.469           | 13.31      | 49.75               | 0.53           | 8.67           | 8.61                        | 0.99              | 43.18           |
| 1.482           | 13.32      | 49.76               | 0.57           | 8.68           | 8.26                        | 0.98              | 43.18           |
| 1.498           | 13.32      | 49.76               | 0.65           | 8.68           | 8.06                        | 1.0               | 43.18           |
| 1.531           | 13.32      | 49.75               | 0.72           | 8.69           | 8.37                        | 1.0               | 43.17           |
| 1.564           | 13.32      | 49.77               | 0.53           | 8.71           | 8.2                         | 0.98              | 43.19           |
| 1.588           | 13.32      | 49.79               | 0.72           | 8.72           | 7.61                        | 0.99              | 43.21           |
| 1.608           | 13.33      | 49.81               | 0.65           | 8.73           | 7.84                        | 0.96              | 43.22           |
| 1.632           | 13.33      | 49.82               | 0.61           | 8.74           | 8.14                        | 1.01              | 43.23           |
| 1.665           | 13.33      | 49.84               | 0.72           | 8.73           | 7.77                        | 1.03              | 43.25           |
| 1.688           | 13.34      | 49.88               | 0.69           | 8.73           | 7.77                        | 1.01              | 43.28           |

|       |       |       |      |      |      |      |       |
|-------|-------|-------|------|------|------|------|-------|
| 1.699 | 13.34 | 49.91 | 0.57 | 8.73 | 7.67 | 1.01 | 43.3  |
| 1.717 | 13.35 | 49.91 | 0.61 | 8.74 | 7.92 | 1.05 | 43.29 |
| 1.746 | 13.36 | 49.91 | 0.72 | 8.74 | 7.65 | 1.02 | 43.29 |
| 1.773 | 13.36 | 49.93 | 0.69 | 8.75 | 7.54 | 1.05 | 43.3  |
| 1.792 | 13.36 | 49.93 | 0.69 | 8.77 | 7.64 | 1.03 | 43.3  |
| 1.816 | 13.36 | 49.94 | 0.69 | 8.78 | 7.58 | 1.04 | 43.31 |
| 1.846 | 13.36 | 49.96 | 0.88 | 8.79 | 7.52 | 1.0  | 43.32 |
| 1.875 | 13.37 | 49.97 | 0.69 | 8.79 | 7.65 | 1.03 | 43.33 |
| 1.901 | 13.37 | 49.97 | 0.69 | 8.79 | 7.62 | 1.02 | 43.33 |
| 1.924 | 13.37 | 49.99 | 0.72 | 8.79 | 7.46 | 1.05 | 43.34 |
| 1.952 | 13.38 | 49.99 | 0.84 | 8.79 | 7.33 | 1.07 | 43.34 |
| 1.982 | 13.38 | 50.0  | 0.61 | 8.78 | 7.65 | 1.03 | 43.35 |
| 2.008 | 13.38 | 50.01 | 0.76 | 8.77 | 7.66 | 1.04 | 43.35 |
| 2.026 | 13.38 | 50.01 | 0.57 | 8.77 | 7.22 | 1.05 | 43.36 |
| 2.042 | 13.39 | 50.02 | 0.65 | 8.78 | 7.24 | 1.06 | 43.36 |
| 2.058 | 13.39 | 50.02 | 0.92 | 8.78 | 7.6  | 1.03 | 43.36 |
| 2.069 | 13.39 | 50.02 | 0.72 | 8.77 | 7.45 | 1.06 | 43.36 |
| 2.08  | 13.39 | 50.02 | 0.61 | 8.76 | 7.18 | 1.08 | 43.36 |
| 2.098 | 13.39 | 50.02 | 0.72 | 8.76 | 7.11 | 1.05 | 43.36 |
| 2.12  | 13.39 | 50.02 | 0.84 | 8.76 | 7.39 | 1.05 | 43.36 |
| 2.143 | 13.39 | 50.02 | 0.69 | 8.76 | 7.37 | 1.08 | 43.36 |
| 2.163 | 13.39 | 50.03 | 0.72 | 8.76 | 7.09 | 1.09 | 43.36 |
| 2.195 | 13.39 | 50.03 | 0.8  | 8.77 | 7.08 | 1.1  | 43.37 |
| 2.228 | 13.39 | 50.03 | 0.8  | 8.79 | 7.28 | 1.1  | 43.37 |
| 2.253 | 13.39 | 50.03 | 0.76 | 8.8  | 7.21 | 1.13 | 43.37 |
| 2.277 | 13.39 | 50.03 | 0.95 | 8.81 | 7.01 | 1.14 | 43.37 |
| 2.309 | 13.39 | 50.03 | 0.88 | 8.81 | 6.89 | 1.09 | 43.37 |
| 2.342 | 13.39 | 50.04 | 0.84 | 8.81 | 7.02 | 1.13 | 43.37 |
| 2.366 | 13.39 | 50.04 | 0.92 | 8.81 | 7.08 | 1.12 | 43.37 |
| 2.387 | 13.39 | 50.04 | 1.14 | 8.79 | 6.96 | 1.12 | 43.37 |
| 2.412 | 13.39 | 50.04 | 1.07 | 8.78 | 6.88 | 1.12 | 43.37 |
| 2.44  | 13.39 | 50.04 | 1.26 | 8.76 | 6.97 | 1.17 | 43.37 |
| 2.469 | 13.39 | 50.04 | 1.33 | 8.75 | 6.98 | 1.18 | 43.38 |
| 2.503 | 13.39 | 50.04 | 1.6  | 8.75 | 6.92 | 1.2  | 43.38 |
| 2.538 | 13.39 | 50.05 | 1.45 | 8.75 | 6.87 | 1.17 | 43.38 |
| 2.575 | 13.39 | 50.05 | 1.68 | 8.76 | 7.01 | 1.17 | 43.38 |
| 2.592 | 13.39 | 50.05 | 2.25 | 8.76 | 6.94 | 1.17 | 43.38 |
| 2.603 | 13.39 | 50.05 | 1.87 | 8.77 | 6.85 | 1.16 | 43.38 |
| 2.622 | 13.39 | 50.05 | 1.68 | 8.78 | 6.78 | 1.15 | 43.38 |
| 2.65  | 13.39 | 50.05 | 1.75 | 8.8  | 6.82 | 1.22 | 43.38 |
| 2.679 | 13.4  | 50.05 | 1.75 | 8.81 | 6.93 | 1.2  | 43.38 |
| 2.707 | 13.4  | 50.06 | 1.79 | 8.82 | 6.93 | 1.18 | 43.38 |
| 2.731 | 13.4  | 50.06 | 1.87 | 8.84 | 6.84 | 1.17 | 43.38 |
| 2.752 | 13.4  | 50.06 | 1.83 | 8.83 | 6.77 | 1.18 | 43.39 |
| 2.777 | 13.4  | 50.06 | 1.91 | 8.84 | 6.89 | 1.21 | 43.38 |
| 2.804 | 13.4  | 50.06 | 1.87 | 8.83 | 6.95 | 1.17 | 43.38 |
| 2.83  | 13.4  | 50.06 | 1.87 | 8.81 | 6.83 | 1.17 | 43.38 |
| 2.853 | 13.4  | 50.06 | 1.83 | 8.8  | 6.75 | 1.17 | 43.39 |
| 2.88  | 13.4  | 50.06 | 1.79 | 8.8  | 6.79 | 1.14 | 43.39 |
| 2.911 | 13.4  | 50.06 | 1.95 | 8.8  | 6.9  | 1.14 | 43.39 |
| 2.939 | 13.4  | 50.06 | 1.87 | 8.8  | 6.85 | 1.16 | 43.39 |
| 2.956 | 13.4  | 50.07 | 1.95 | 8.81 | 6.76 | 1.12 | 43.39 |
| 2.971 | 13.4  | 50.07 | 2.1  | 8.82 | 6.77 | 1.13 | 43.39 |
| 2.989 | 13.4  | 50.07 | 2.14 | 8.83 | 6.88 | 1.13 | 43.39 |
| 3.011 | 13.4  | 50.07 | 2.14 | 8.84 | 6.95 | 1.11 | 43.39 |
| 3.034 | 13.4  | 50.07 | 2.06 | 8.85 | 6.94 | 1.17 | 43.39 |
| 3.055 | 13.4  | 50.07 | 2.14 | 8.85 | 6.87 | 1.13 | 43.39 |
| 3.072 | 13.4  | 50.07 | 2.1  | 8.84 | 6.93 | 1.15 | 43.39 |

|       |       |       |      |      |      |      |       |
|-------|-------|-------|------|------|------|------|-------|
| 3.092 | 13.4  | 50.07 | 2.17 | 8.84 | 6.98 | 1.11 | 43.39 |
| 3.121 | 13.4  | 50.07 | 2.21 | 8.84 | 7.0  | 1.12 | 43.39 |
| 3.173 | 13.4  | 50.07 | 2.25 | 8.84 | 7.14 | 1.07 | 43.39 |
| 3.225 | 13.4  | 50.07 | 2.33 | 8.85 | 7.25 | 1.11 | 43.39 |
| 3.259 | 13.4  | 50.07 | 2.29 | 8.85 | 7.24 | 1.08 | 43.39 |
| 3.281 | 13.4  | 50.07 | 2.25 | 8.85 | 7.16 | 1.1  | 43.39 |
| 3.3   | 13.4  | 50.07 | 2.33 | 8.86 | 7.18 | 1.11 | 43.39 |
| 3.32  | 13.4  | 50.08 | 2.33 | 8.85 | 7.25 | 1.11 | 43.39 |
| 3.347 | 13.4  | 50.08 | 2.25 | 8.84 | 7.32 | 1.11 | 43.39 |
| 3.373 | 13.4  | 50.08 | 2.25 | 8.82 | 7.32 | 1.13 | 43.4  |
| 3.39  | 13.4  | 50.08 | 2.17 | 8.81 | 7.33 | 1.11 | 43.4  |
| 3.403 | 13.4  | 50.08 | 2.14 | 8.8  | 7.33 | 1.16 | 43.4  |
| 3.417 | 13.4  | 50.08 | 2.25 | 8.79 | 7.24 | 1.17 | 43.4  |
| 3.437 | 13.4  | 50.08 | 2.14 | 8.79 | 7.25 | 1.22 | 43.39 |
| 3.469 | 13.4  | 50.08 | 2.25 | 8.79 | 7.36 | 1.17 | 43.4  |
| 3.502 | 13.4  | 50.08 | 2.17 | 8.79 | 7.39 | 1.18 | 43.4  |
| 3.528 | 13.4  | 50.08 | 2.25 | 8.79 | 7.44 | 1.18 | 43.4  |
| 3.547 | 13.41 | 50.08 | 2.44 | 8.79 | 7.4  | 1.17 | 43.4  |
| 3.562 | 13.41 | 50.09 | 2.33 | 8.79 | 7.43 | 1.21 | 43.4  |
| 3.584 | 13.41 | 50.09 | 2.06 | 8.8  | 7.44 | 1.21 | 43.4  |
| 3.61  | 13.41 | 50.09 | 2.29 | 8.8  | 7.45 | 1.22 | 43.4  |
| 3.631 | 13.41 | 50.09 | 2.25 | 8.82 | 7.44 | 1.24 | 43.4  |
| 3.654 | 13.41 | 50.09 | 2.48 | 8.81 | 7.48 | 1.24 | 43.4  |
| 3.679 | 13.41 | 50.09 | 2.56 | 8.82 | 7.47 | 1.22 | 43.4  |
| 3.706 | 13.41 | 50.09 | 2.52 | 8.82 | 7.47 | 1.29 | 43.4  |
| 3.732 | 13.41 | 50.09 | 2.9  | 8.81 | 7.46 | 1.33 | 43.4  |
| 3.755 | 13.41 | 50.09 | 2.4  | 8.8  | 7.49 | 1.35 | 43.4  |
| 3.778 | 13.41 | 50.09 | 2.29 | 8.78 | 7.48 | 1.31 | 43.4  |
| 3.806 | 13.41 | 50.09 | 2.56 | 8.78 | 7.48 | 1.34 | 43.4  |
| 3.834 | 13.41 | 50.09 | 2.67 | 8.78 | 7.49 | 1.35 | 43.4  |
| 3.852 | 13.41 | 50.09 | 2.71 | 8.78 | 7.53 | 1.37 | 43.4  |
| 3.869 | 13.41 | 50.09 | 2.75 | 8.79 | 7.53 | 1.39 | 43.41 |
| 3.894 | 13.41 | 50.09 | 2.94 | 8.78 | 7.5  | 1.47 | 43.4  |
| 3.925 | 13.41 | 50.09 | 3.05 | 8.79 | 7.49 | 1.48 | 43.4  |
| 3.949 | 13.41 | 50.09 | 3.09 | 8.77 | 7.53 | 1.54 | 43.4  |
| 3.966 | 13.41 | 50.1  | 3.2  | 8.76 | 7.5  | 1.56 | 43.41 |
| 3.991 | 13.41 | 50.1  | 3.17 | 8.74 | 7.46 | 1.53 | 43.4  |
| 4.021 | 13.41 | 50.1  | 3.78 | 8.71 | 7.43 | 1.57 | 43.41 |
| 4.046 | 13.41 | 50.1  | 3.7  | 8.69 | 7.48 | 1.59 | 43.4  |
| 4.061 | 13.41 | 50.1  | 3.93 | 8.66 | 7.5  | 1.63 | 43.41 |
| 4.08  | 13.41 | 50.1  | 3.74 | 8.64 | 7.46 | 1.59 | 43.4  |
| 4.104 | 13.41 | 50.1  | 3.81 | 8.62 | 7.44 | 1.59 | 43.4  |
| 4.122 | 13.41 | 50.1  | 3.93 | 8.61 | 7.44 | 1.56 | 43.4  |
| 4.135 | 13.41 | 50.1  | 3.89 | 8.6  | 7.46 | 1.57 | 43.41 |
| 4.157 | 13.41 | 50.09 | 4.12 | 8.61 | 7.4  | 1.53 | 43.4  |
| 4.188 | 13.41 | 50.09 | 4.58 | 8.62 | 7.35 | 1.57 | 43.4  |
| 4.212 | 13.41 | 50.09 | 4.65 | 8.63 | 7.33 | 1.63 | 43.4  |
| 4.227 | 13.41 | 50.1  | 4.58 | 8.64 | 7.35 | 1.59 | 43.41 |
| 4.244 | 13.41 | 50.1  | 4.23 | 8.65 | 7.31 | 1.6  | 43.41 |
| 4.268 | 13.41 | 50.1  | 4.31 | 8.66 | 7.28 | 1.53 | 43.41 |
| 4.29  | 13.41 | 50.1  | 4.46 | 8.66 | 7.26 | 1.53 | 43.41 |
| 4.305 | 13.41 | 50.1  | 4.46 | 8.66 | 7.26 | 1.53 | 43.41 |
| 4.322 | 13.41 | 50.1  | 4.77 | 8.66 | 7.22 | 1.56 | 43.41 |
| 4.377 | 13.41 | 50.1  | 5.3  | 8.66 | 7.11 | 1.6  | 43.4  |
| 4.397 | 13.41 | 50.1  | 5.15 | 8.65 | 7.07 | 1.57 | 43.41 |
| 4.508 | 13.41 | 50.1  | 5.49 | 8.62 | 6.84 | 1.65 | 43.41 |
| 4.529 | 13.41 | 50.1  | 5.15 | 8.62 | 6.82 | 1.63 | 43.4  |
| 4.549 | 13.41 | 50.1  | 5.15 | 8.61 | 6.77 | 1.57 | 43.41 |







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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.18      | 49.65               | 0.5            | 8.07           | 14.59                       | 0.93                           | 43.23           |
| <b>PROF (metros)</b> | 1.303      | 1.256               | 0.919          | 5.36           | 5.853                       | 0.868                          | 0.7             |
| <b>MÁXIMO</b>        | 13.52      | 13.52               | 1.91           | 8.92           | 38.4                        | 1.86                           | 43.48           |
| <b>PROF (metros)</b> | 5.565      | 5.286               | 3.566          | 4.874          | 0.7                         | 5.788                          | 5.125           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD N02 - Punto 002 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.19      | 49.67               | 0.64           | 8.59           | 29.78                       | 0.97              | 43.23           |
| 1 - 2m              | 13.19      | 49.66               | 0.66           | 8.72           | 23.45                       | 0.99              | 43.23           |
| 2 - 3m              | 13.2       | 49.67               | 0.67           | 8.67           | 18.51                       | 1.01              | 43.23           |
| 3 - 4m              | 13.2       | 49.68               | 0.7            | 8.83           | 17.65                       | 1.04              | 43.23           |
| 4 - 5m              | 13.26      | 49.81               | 0.69           | 8.85           | 17.08                       | 1.1               | 43.3            |
| 5 - 6m              | 13.51      | 50.27               | 0.71           | 8.28           | 15.57                       | 1.54              | 43.46           |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

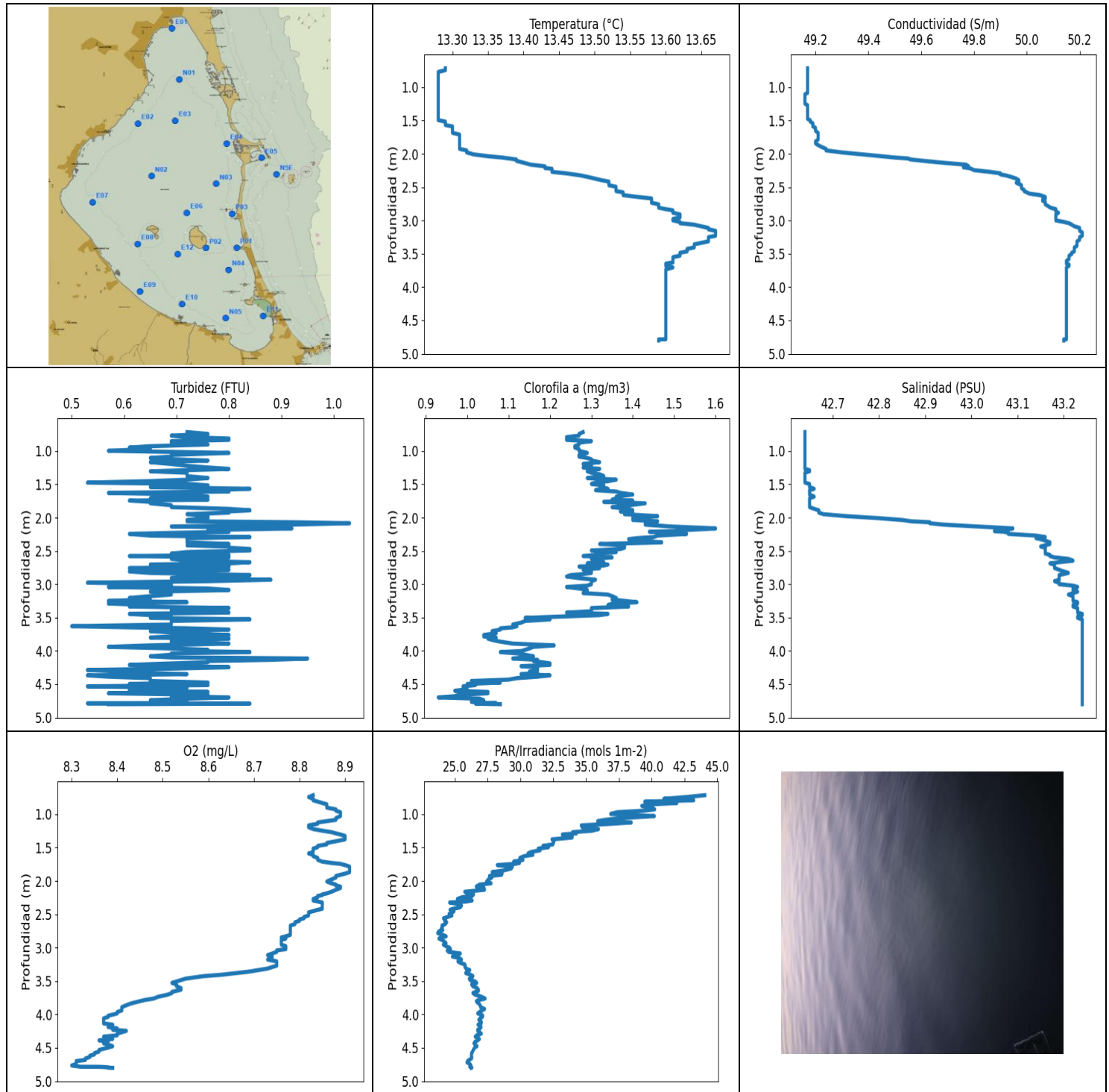
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.7             | 13.19      | 49.66               | 0.65           | 8.49           | 38.4                        | 1.0               | 43.23           |
| 0.722           | 13.19      | 49.66               | 0.65           | 8.52           | 25.99                       | 0.98              | 43.23           |
| 0.749           | 13.19      | 49.66               | 0.76           | 8.54           | 34.18                       | 0.98              | 43.23           |
| 0.778           | 13.19      | 49.66               | 0.69           | 8.55           | 27.55                       | 0.97              | 43.23           |
| 0.805           | 13.19      | 49.66               | 0.53           | 8.57           | 31.36                       | 0.98              | 43.23           |
| 0.826           | 13.19      | 49.66               | 0.69           | 8.58           | 30.34                       | 0.97              | 43.23           |
| 0.848           | 13.19      | 49.67               | 0.65           | 8.6            | 29.54                       | 0.99              | 43.23           |
| 0.868           | 13.19      | 49.67               | 0.69           | 8.62           | 28.02                       | 0.93              | 43.23           |
| 0.892           | 13.19      | 49.67               | 0.61           | 8.62           | 30.62                       | 0.96              | 43.23           |
| 0.919           | 13.2       | 49.67               | 0.5            | 8.63           | 27.09                       | 0.98              | 43.23           |
| 0.948           | 13.2       | 49.67               | 0.61           | 8.65           | 30.1                        | 0.95              | 43.23           |
| 0.969           | 13.2       | 49.67               | 0.76           | 8.66           | 26.47                       | 0.94              | 43.23           |
| 0.986           | 13.2       | 49.67               | 0.53           | 8.66           | 27.46                       | 0.98              | 43.23           |
| 1.009           | 13.2       | 49.67               | 0.72           | 8.66           | 30.32                       | 0.99              | 43.23           |
| 1.038           | 13.2       | 49.67               | 0.61           | 8.65           | 26.15                       | 1.01              | 43.23           |
| 1.067           | 13.2       | 49.67               | 0.69           | 8.64           | 27.62                       | 0.98              | 43.23           |
| 1.092           | 13.2       | 49.67               | 0.57           | 8.64           | 27.78                       | 0.97              | 43.23           |
| 1.111           | 13.2       | 49.67               | 0.8            | 8.63           | 25.82                       | 0.96              | 43.23           |
| 1.132           | 13.2       | 49.67               | 0.8            | 8.63           | 26.08                       | 0.97              | 43.23           |
| 1.159           | 13.2       | 49.67               | 0.61           | 8.64           | 28.87                       | 0.95              | 43.23           |
| 1.186           | 13.2       | 49.66               | 0.61           | 8.66           | 24.79                       | 0.98              | 43.23           |
| 1.21            | 13.19      | 49.66               | 0.69           | 8.67           | 24.67                       | 1.0               | 43.23           |
| 1.234           | 13.19      | 49.66               | 0.57           | 8.68           | 24.61                       | 0.98              | 43.23           |
| 1.256           | 13.19      | 49.65               | 0.69           | 8.7            | 26.34                       | 0.98              | 43.23           |
| 1.28            | 13.19      | 49.65               | 0.53           | 8.71           | 23.52                       | 0.99              | 43.23           |
| 1.303           | 13.18      | 49.65               | 0.72           | 8.73           | 23.44                       | 0.99              | 43.23           |
| 1.326           | 13.18      | 49.65               | 0.69           | 8.74           | 25.64                       | 1.0               | 43.23           |
| 1.351           | 13.18      | 49.65               | 0.57           | 8.75           | 23.84                       | 0.98              | 43.23           |
| 1.376           | 13.18      | 49.65               | 0.61           | 8.75           | 23.3                        | 0.99              | 43.23           |
| 1.396           | 13.18      | 49.65               | 0.65           | 8.76           | 24.44                       | 1.0               | 43.23           |
| 1.414           | 13.18      | 49.65               | 0.53           | 8.76           | 25.48                       | 1.01              | 43.23           |
| 1.436           | 13.18      | 49.65               | 0.53           | 8.75           | 23.0                        | 0.99              | 43.23           |
| 1.462           | 13.18      | 49.65               | 0.69           | 8.75           | 22.2                        | 1.0               | 43.23           |
| 1.487           | 13.18      | 49.65               | 0.65           | 8.76           | 23.7                        | 0.95              | 43.23           |
| 1.51            | 13.18      | 49.65               | 0.69           | 8.77           | 23.22                       | 0.96              | 43.23           |
| 1.532           | 13.18      | 49.65               | 0.69           | 8.79           | 22.79                       | 0.99              | 43.24           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.556 | 13.18 | 49.65 | 0.69 | 8.8  | 22.14 | 1.02 | 43.23 |
| 1.58  | 13.18 | 49.65 | 0.61 | 8.81 | 22.24 | 0.99 | 43.23 |
| 1.605 | 13.18 | 49.65 | 0.5  | 8.81 | 22.25 | 0.98 | 43.23 |
| 1.63  | 13.18 | 49.65 | 0.69 | 8.8  | 22.3  | 0.94 | 43.23 |
| 1.652 | 13.18 | 49.66 | 0.76 | 8.78 | 22.08 | 1.02 | 43.24 |
| 1.672 | 13.18 | 49.66 | 0.69 | 8.76 | 22.49 | 0.95 | 43.24 |
| 1.693 | 13.18 | 49.66 | 0.57 | 8.75 | 20.91 | 1.0  | 43.23 |
| 1.719 | 13.18 | 49.65 | 0.69 | 8.74 | 20.82 | 0.99 | 43.23 |
| 1.746 | 13.18 | 49.65 | 0.69 | 8.74 | 21.94 | 0.99 | 43.23 |
| 1.769 | 13.18 | 49.66 | 0.65 | 8.74 | 21.85 | 1.0  | 43.23 |
| 1.793 | 13.19 | 49.66 | 0.69 | 8.74 | 22.01 | 0.96 | 43.24 |
| 1.819 | 13.19 | 49.67 | 0.61 | 8.73 | 20.9  | 1.01 | 43.24 |
| 1.845 | 13.19 | 49.67 | 0.72 | 8.73 | 20.58 | 1.04 | 43.24 |
| 1.867 | 13.19 | 49.67 | 0.61 | 8.72 | 21.33 | 0.99 | 43.23 |
| 1.888 | 13.2  | 49.67 | 0.72 | 8.7  | 21.24 | 1.01 | 43.23 |
| 1.91  | 13.2  | 49.67 | 0.61 | 8.68 | 20.51 | 1.0  | 43.23 |
| 1.937 | 13.2  | 49.67 | 0.69 | 8.65 | 20.38 | 1.01 | 43.23 |
| 1.966 | 13.2  | 49.67 | 0.72 | 8.63 | 20.66 | 0.98 | 43.23 |
| 1.99  | 13.2  | 49.67 | 0.72 | 8.6  | 20.8  | 1.04 | 43.23 |
| 2.009 | 13.2  | 49.67 | 0.8  | 8.59 | 19.68 | 1.0  | 43.23 |
| 2.03  | 13.2  | 49.67 | 0.72 | 8.58 | 19.74 | 1.01 | 43.23 |
| 2.056 | 13.2  | 49.67 | 0.72 | 8.59 | 20.24 | 0.97 | 43.23 |
| 2.086 | 13.2  | 49.67 | 0.65 | 8.6  | 20.33 | 1.02 | 43.23 |
| 2.113 | 13.2  | 49.67 | 0.69 | 8.63 | 20.07 | 1.02 | 43.23 |
| 2.136 | 13.2  | 49.67 | 0.65 | 8.65 | 19.87 | 1.0  | 43.23 |
| 2.154 | 13.2  | 49.67 | 0.84 | 8.66 | 19.99 | 0.96 | 43.23 |
| 2.176 | 13.2  | 49.67 | 0.65 | 8.67 | 19.26 | 0.98 | 43.23 |
| 2.202 | 13.2  | 49.67 | 0.61 | 8.66 | 19.39 | 1.01 | 43.23 |
| 2.23  | 13.2  | 49.67 | 0.69 | 8.65 | 19.14 | 1.02 | 43.23 |
| 2.254 | 13.2  | 49.67 | 0.72 | 8.64 | 19.3  | 1.01 | 43.23 |
| 2.276 | 13.2  | 49.67 | 0.72 | 8.64 | 19.28 | 0.95 | 43.23 |
| 2.296 | 13.2  | 49.67 | 0.72 | 8.64 | 19.19 | 0.99 | 43.23 |
| 2.314 | 13.2  | 49.67 | 0.61 | 8.64 | 19.14 | 1.01 | 43.23 |
| 2.334 | 13.2  | 49.67 | 0.53 | 8.65 | 18.79 | 1.02 | 43.23 |
| 2.358 | 13.2  | 49.67 | 0.61 | 8.66 | 18.74 | 1.05 | 43.23 |
| 2.385 | 13.2  | 49.67 | 0.72 | 8.67 | 18.52 | 0.98 | 43.23 |
| 2.411 | 13.2  | 49.67 | 0.53 | 8.68 | 18.44 | 1.01 | 43.23 |
| 2.431 | 13.2  | 49.67 | 0.65 | 8.68 | 18.55 | 1.0  | 43.23 |
| 2.444 | 13.2  | 49.67 | 0.69 | 8.68 | 18.73 | 1.01 | 43.23 |
| 2.46  | 13.2  | 49.67 | 0.72 | 8.68 | 18.58 | 1.03 | 43.23 |
| 2.486 | 13.2  | 49.67 | 0.72 | 8.66 | 18.34 | 1.02 | 43.23 |
| 2.515 | 13.2  | 49.67 | 0.76 | 8.66 | 18.3  | 1.01 | 43.23 |
| 2.54  | 13.2  | 49.67 | 0.76 | 8.66 | 18.39 | 1.02 | 43.23 |
| 2.555 | 13.2  | 49.67 | 0.65 | 8.66 | 18.43 | 1.03 | 43.23 |
| 2.568 | 13.2  | 49.67 | 0.72 | 8.66 | 18.02 | 1.07 | 43.23 |
| 2.593 | 13.2  | 49.67 | 0.57 | 8.67 | 18.29 | 1.02 | 43.23 |
| 2.623 | 13.2  | 49.67 | 0.65 | 8.69 | 18.11 | 1.01 | 43.23 |
| 2.649 | 13.2  | 49.67 | 0.69 | 8.72 | 17.87 | 0.98 | 43.23 |
| 2.663 | 13.2  | 49.67 | 0.57 | 8.73 | 17.94 | 1.01 | 43.23 |
| 2.677 | 13.2  | 49.67 | 0.61 | 8.74 | 17.94 | 1.01 | 43.23 |
| 2.702 | 13.2  | 49.67 | 0.65 | 8.74 | 17.74 | 1.01 | 43.23 |
| 2.735 | 13.2  | 49.67 | 0.69 | 8.74 | 17.74 | 1.04 | 43.23 |
| 2.762 | 13.2  | 49.67 | 0.72 | 8.74 | 17.55 | 1.03 | 43.23 |
| 2.777 | 13.2  | 49.67 | 0.53 | 8.73 | 17.53 | 1.01 | 43.23 |
| 2.79  | 13.2  | 49.67 | 0.65 | 8.72 | 17.63 | 1.01 | 43.23 |
| 2.813 | 13.2  | 49.67 | 0.61 | 8.72 | 17.66 | 0.99 | 43.23 |
| 2.842 | 13.2  | 49.67 | 0.61 | 8.71 | 17.5  | 1.01 | 43.23 |
| 2.868 | 13.2  | 49.67 | 0.57 | 8.7  | 17.6  | 1.06 | 43.23 |

|       |      |       |      |      |       |      |       |
|-------|------|-------|------|------|-------|------|-------|
| 2.884 | 13.2 | 49.67 | 0.57 | 8.7  | 17.59 | 1.05 | 43.23 |
| 2.899 | 13.2 | 49.67 | 0.57 | 8.7  | 17.56 | 1.05 | 43.23 |
| 2.92  | 13.2 | 49.67 | 0.72 | 8.68 | 17.59 | 1.03 | 43.23 |
| 2.947 | 13.2 | 49.67 | 0.72 | 8.67 | 17.49 | 1.03 | 43.23 |
| 2.969 | 13.2 | 49.67 | 0.69 | 8.66 | 17.53 | 1.03 | 43.23 |
| 2.986 | 13.2 | 49.67 | 0.76 | 8.67 | 17.6  | 1.01 | 43.23 |
| 3.001 | 13.2 | 49.67 | 0.65 | 8.69 | 17.61 | 1.09 | 43.23 |
| 3.021 | 13.2 | 49.67 | 0.57 | 8.71 | 17.71 | 1.03 | 43.23 |
| 3.046 | 13.2 | 49.67 | 0.76 | 8.72 | 17.61 | 1.03 | 43.23 |
| 3.073 | 13.2 | 49.67 | 0.69 | 8.73 | 17.43 | 1.05 | 43.23 |
| 3.097 | 13.2 | 49.67 | 0.57 | 8.74 | 17.56 | 1.01 | 43.23 |
| 3.115 | 13.2 | 49.67 | 0.65 | 8.76 | 17.8  | 1.0  | 43.23 |
| 3.129 | 13.2 | 49.68 | 0.69 | 8.77 | 17.68 | 1.01 | 43.23 |
| 3.146 | 13.2 | 49.68 | 0.8  | 8.77 | 17.48 | 1.0  | 43.23 |
| 3.171 | 13.2 | 49.68 | 0.65 | 8.77 | 17.3  | 1.01 | 43.23 |
| 3.203 | 13.2 | 49.68 | 0.65 | 8.78 | 17.52 | 1.05 | 43.23 |
| 3.228 | 13.2 | 49.68 | 0.72 | 8.8  | 17.68 | 1.03 | 43.23 |
| 3.243 | 13.2 | 49.68 | 0.61 | 8.82 | 17.61 | 1.01 | 43.23 |
| 3.258 | 13.2 | 49.68 | 0.69 | 8.84 | 17.37 | 1.04 | 43.23 |
| 3.282 | 13.2 | 49.68 | 0.69 | 8.85 | 17.38 | 1.01 | 43.23 |
| 3.311 | 13.2 | 49.68 | 0.57 | 8.85 | 17.47 | 1.05 | 43.23 |
| 3.334 | 13.2 | 49.68 | 0.5  | 8.85 | 17.74 | 1.02 | 43.23 |
| 3.353 | 13.2 | 49.68 | 0.69 | 8.84 | 17.53 | 1.02 | 43.23 |
| 3.373 | 13.2 | 49.68 | 0.57 | 8.83 | 17.4  | 1.0  | 43.23 |
| 3.399 | 13.2 | 49.68 | 0.61 | 8.82 | 17.61 | 1.05 | 43.23 |
| 3.426 | 13.2 | 49.68 | 0.61 | 8.81 | 17.84 | 1.05 | 43.23 |
| 3.446 | 13.2 | 49.68 | 0.69 | 8.81 | 17.66 | 1.04 | 43.24 |
| 3.463 | 13.2 | 49.68 | 0.61 | 8.82 | 17.47 | 1.07 | 43.23 |
| 3.485 | 13.2 | 49.68 | 0.72 | 8.84 | 17.57 | 1.03 | 43.23 |
| 3.514 | 13.2 | 49.68 | 0.65 | 8.87 | 17.69 | 1.06 | 43.23 |
| 3.543 | 13.2 | 49.68 | 0.88 | 8.89 | 17.65 | 1.03 | 43.23 |
| 3.566 | 13.2 | 49.68 | 1.91 | 8.9  | 17.59 | 1.08 | 43.23 |
| 3.582 | 13.2 | 49.68 | 1.26 | 8.91 | 17.59 | 1.06 | 43.23 |
| 3.601 | 13.2 | 49.68 | 0.88 | 8.91 | 17.68 | 1.07 | 43.23 |
| 3.629 | 13.2 | 49.68 | 0.53 | 8.89 | 17.8  | 1.08 | 43.23 |
| 3.66  | 13.2 | 49.68 | 0.76 | 8.87 | 17.78 | 1.06 | 43.23 |
| 3.683 | 13.2 | 49.68 | 0.61 | 8.87 | 17.71 | 1.07 | 43.24 |
| 3.704 | 13.2 | 49.68 | 0.69 | 8.85 | 17.83 | 1.08 | 43.24 |
| 3.724 | 13.2 | 49.68 | 0.65 | 8.85 | 17.79 | 1.01 | 43.24 |
| 3.744 | 13.2 | 49.68 | 0.61 | 8.86 | 17.74 | 1.02 | 43.23 |
| 3.766 | 13.2 | 49.68 | 0.88 | 8.87 | 17.8  | 1.03 | 43.24 |
| 3.793 | 13.2 | 49.68 | 0.5  | 8.87 | 17.8  | 1.05 | 43.24 |
| 3.823 | 13.2 | 49.68 | 0.61 | 8.86 | 17.88 | 1.06 | 43.24 |
| 3.847 | 13.2 | 49.68 | 0.61 | 8.85 | 17.72 | 1.03 | 43.23 |
| 3.862 | 13.2 | 49.68 | 0.72 | 8.84 | 17.62 | 1.04 | 43.23 |
| 3.875 | 13.2 | 49.68 | 0.57 | 8.84 | 17.67 | 1.01 | 43.23 |
| 3.899 | 13.2 | 49.68 | 0.65 | 8.84 | 17.88 | 1.01 | 43.23 |
| 3.931 | 13.2 | 49.67 | 0.61 | 8.84 | 17.88 | 1.09 | 43.23 |
| 3.958 | 13.2 | 49.67 | 0.72 | 8.83 | 17.85 | 1.06 | 43.23 |
| 3.974 | 13.2 | 49.68 | 0.69 | 8.83 | 17.68 | 1.04 | 43.23 |
| 3.986 | 13.2 | 49.67 | 0.61 | 8.85 | 17.56 | 1.05 | 43.23 |
| 4.005 | 13.2 | 49.67 | 0.69 | 8.84 | 17.62 | 1.06 | 43.23 |
| 4.029 | 13.2 | 49.67 | 0.57 | 8.84 | 17.73 | 1.06 | 43.23 |
| 4.055 | 13.2 | 49.67 | 0.65 | 8.83 | 17.63 | 1.1  | 43.23 |
| 4.078 | 13.2 | 49.67 | 0.69 | 8.83 | 17.46 | 1.08 | 43.23 |
| 4.096 | 13.2 | 49.67 | 0.69 | 8.84 | 17.44 | 1.06 | 43.23 |
| 4.115 | 13.2 | 49.68 | 0.57 | 8.85 | 17.51 | 1.06 | 43.23 |
| 4.135 | 13.2 | 49.68 | 0.69 | 8.85 | 17.45 | 1.05 | 43.24 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 4.155 | 13.2  | 49.68 | 0.57 | 8.84 | 17.39 | 1.09 | 43.24 |
| 4.173 | 13.2  | 49.69 | 0.65 | 8.84 | 17.44 | 1.1  | 43.24 |
| 4.193 | 13.2  | 49.69 | 0.69 | 8.83 | 17.38 | 1.09 | 43.24 |
| 4.216 | 13.21 | 49.68 | 0.69 | 8.83 | 17.26 | 1.08 | 43.24 |
| 4.241 | 13.21 | 49.68 | 0.61 | 8.83 | 17.29 | 1.06 | 43.23 |
| 4.26  | 13.2  | 49.68 | 0.53 | 8.84 | 17.26 | 1.01 | 43.23 |
| 4.273 | 13.2  | 49.68 | 0.57 | 8.85 | 17.24 | 1.1  | 43.23 |
| 4.287 | 13.2  | 49.68 | 0.69 | 8.85 | 17.09 | 1.05 | 43.23 |
| 4.311 | 13.2  | 49.68 | 0.65 | 8.86 | 17.14 | 1.04 | 43.24 |
| 4.341 | 13.2  | 49.69 | 0.65 | 8.87 | 17.08 | 1.05 | 43.24 |
| 4.364 | 13.2  | 49.69 | 0.72 | 8.87 | 17.04 | 1.05 | 43.24 |
| 4.38  | 13.21 | 49.68 | 0.72 | 8.87 | 17.12 | 1.06 | 43.24 |
| 4.395 | 13.21 | 49.69 | 0.61 | 8.87 | 17.15 | 1.05 | 43.24 |
| 4.419 | 13.21 | 49.68 | 0.69 | 8.86 | 17.11 | 1.11 | 43.23 |
| 4.445 | 13.21 | 49.69 | 0.61 | 8.85 | 17.1  | 1.15 | 43.24 |
| 4.466 | 13.21 | 49.69 | 0.61 | 8.85 | 17.14 | 1.14 | 43.24 |
| 4.482 | 13.21 | 49.69 | 0.76 | 8.84 | 17.12 | 1.11 | 43.24 |
| 4.5   | 13.21 | 49.7  | 0.69 | 8.84 | 17.16 | 1.11 | 43.25 |
| 4.524 | 13.21 | 49.71 | 0.99 | 8.84 | 17.11 | 1.17 | 43.25 |
| 4.551 | 13.21 | 49.73 | 0.76 | 8.83 | 17.12 | 1.16 | 43.27 |
| 4.574 | 13.22 | 49.75 | 0.69 | 8.83 | 17.12 | 1.21 | 43.28 |
| 4.594 | 13.23 | 49.78 | 0.95 | 8.83 | 17.15 | 1.13 | 43.3  |
| 4.611 | 13.25 | 49.81 | 0.69 | 8.84 | 17.18 | 1.13 | 43.31 |
| 4.629 | 13.26 | 49.82 | 0.84 | 8.85 | 17.12 | 1.08 | 43.3  |
| 4.651 | 13.27 | 49.81 | 0.69 | 8.85 | 17.08 | 1.15 | 43.29 |
| 4.674 | 13.27 | 49.83 | 0.65 | 8.86 | 17.03 | 1.11 | 43.31 |
| 4.696 | 13.28 | 49.85 | 0.65 | 8.87 | 16.97 | 1.09 | 43.32 |
| 4.718 | 13.29 | 49.88 | 0.69 | 8.88 | 16.95 | 1.11 | 43.33 |
| 4.742 | 13.3  | 49.9  | 0.8  | 8.88 | 16.86 | 1.15 | 43.34 |
| 4.763 | 13.31 | 49.96 | 0.72 | 8.87 | 16.88 | 1.08 | 43.38 |
| 4.781 | 13.33 | 50.02 | 0.72 | 8.87 | 16.87 | 1.07 | 43.42 |
| 4.798 | 13.35 | 50.05 | 0.76 | 8.88 | 16.83 | 1.04 | 43.42 |
| 4.817 | 13.38 | 50.06 | 0.69 | 8.89 | 16.74 | 1.08 | 43.41 |
| 4.844 | 13.39 | 50.05 | 0.84 | 8.91 | 16.65 | 1.08 | 43.39 |
| 4.874 | 13.39 | 50.09 | 0.53 | 8.92 | 16.67 | 1.11 | 43.42 |
| 4.89  | 13.4  | 50.1  | 0.53 | 8.92 | 16.7  | 1.08 | 43.42 |
| 4.905 | 13.42 | 50.13 | 0.8  | 8.9  | 16.62 | 1.08 | 43.43 |
| 4.928 | 13.43 | 50.12 | 0.69 | 8.87 | 16.6  | 1.17 | 43.41 |
| 4.955 | 13.43 | 50.13 | 0.72 | 8.84 | 16.48 | 1.2  | 43.41 |
| 4.981 | 13.43 | 50.16 | 0.72 | 8.8  | 16.39 | 1.24 | 43.44 |
| 4.999 | 13.44 | 50.17 | 0.76 | 8.76 | 16.44 | 1.22 | 43.44 |
| 5.012 | 13.45 | 50.19 | 0.61 | 8.73 | 16.47 | 1.2  | 43.44 |
| 5.033 | 13.46 | 50.2  | 0.61 | 8.72 | 16.34 | 1.18 | 43.45 |
| 5.063 | 13.47 | 50.23 | 0.69 | 8.7  | 16.27 | 1.24 | 43.47 |
| 5.089 | 13.48 | 50.24 | 0.88 | 8.7  | 16.24 | 1.17 | 43.47 |
| 5.11  | 13.49 | 50.26 | 0.84 | 8.7  | 16.14 | 1.14 | 43.47 |
| 5.125 | 13.49 | 50.27 | 0.72 | 8.7  | 16.13 | 1.17 | 43.48 |
| 5.141 | 13.5  | 50.27 | 0.61 | 8.68 | 16.15 | 1.14 | 43.47 |
| 5.158 | 13.51 | 50.27 | 0.69 | 8.64 | 16.07 | 1.14 | 43.46 |
| 5.18  | 13.51 | 50.27 | 0.65 | 8.59 | 15.99 | 1.4  | 43.46 |
| 5.201 | 13.51 | 50.27 | 0.69 | 8.52 | 15.93 | 1.52 | 43.46 |
| 5.222 | 13.51 | 50.27 | 0.69 | 8.45 | 15.98 | 1.48 | 43.46 |
| 5.244 | 13.51 | 50.27 | 0.57 | 8.37 | 15.94 | 1.48 | 43.46 |
| 5.266 | 13.51 | 50.27 | 0.72 | 8.29 | 15.85 | 1.52 | 43.46 |
| 5.286 | 13.51 | 50.28 | 0.61 | 8.22 | 15.78 | 1.47 | 43.47 |
| 5.305 | 13.51 | 50.28 | 0.65 | 8.15 | 15.76 | 1.47 | 43.46 |
| 5.323 | 13.51 | 50.28 | 0.72 | 8.11 | 15.76 | 1.63 | 43.46 |
| 5.344 | 13.51 | 50.28 | 0.76 | 8.08 | 15.73 | 1.59 | 43.46 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 5.36  | 13.51 | 50.28 | 0.65 | 8.07 | 15.68 | 1.63 | 43.46 |
| 5.368 | 13.51 | 50.28 | 0.76 | 8.07 | 15.7  | 1.6  | 43.46 |
| 5.369 | 13.51 | 50.28 | 0.61 | 8.1  | 15.68 | 1.59 | 43.46 |
| 5.37  | 13.51 | 50.28 | 0.8  | 8.11 | 15.67 | 1.63 | 43.46 |
| 5.374 | 13.51 | 50.28 | 0.61 | 8.12 | 15.64 | 1.59 | 43.46 |
| 5.38  | 13.51 | 50.28 | 0.76 | 8.13 | 15.66 | 1.66 | 43.46 |
| 5.387 | 13.51 | 50.27 | 0.65 | 8.14 | 15.7  | 1.68 | 43.46 |
| 5.394 | 13.51 | 50.28 | 0.76 | 8.16 | 15.65 | 1.63 | 43.47 |
| 5.397 | 13.51 | 50.28 | 0.76 | 8.17 | 15.68 | 1.6  | 43.47 |
| 5.406 | 13.51 | 50.28 | 0.65 | 8.17 | 15.67 | 1.66 | 43.46 |
| 5.419 | 13.51 | 50.28 | 0.65 | 8.17 | 15.64 | 1.71 | 43.46 |
| 5.435 | 13.51 | 50.28 | 0.69 | 8.17 | 15.57 | 1.66 | 43.47 |
| 5.456 | 13.51 | 50.28 | 0.76 | 8.18 | 15.56 | 1.66 | 43.47 |
| 5.478 | 13.51 | 50.28 | 0.65 | 8.18 | 15.53 | 1.57 | 43.46 |
| 5.501 | 13.51 | 50.28 | 0.65 | 8.19 | 15.47 | 1.63 | 43.47 |
| 5.524 | 13.51 | 50.28 | 0.76 | 8.19 | 15.48 | 1.63 | 43.47 |
| 5.545 | 13.51 | 50.28 | 0.5  | 8.2  | 15.46 | 1.56 | 43.47 |
| 5.565 | 13.52 | 50.28 | 0.76 | 8.21 | 15.44 | 1.57 | 43.47 |
| 5.583 | 13.52 | 50.28 | 0.72 | 8.22 | 15.35 | 1.53 | 43.46 |
| 5.6   | 13.52 | 50.28 | 0.69 | 8.22 | 15.3  | 1.57 | 43.46 |
| 5.618 | 13.51 | 50.28 | 0.8  | 8.21 | 15.26 | 1.66 | 43.46 |
| 5.642 | 13.51 | 50.28 | 0.88 | 8.2  | 15.23 | 1.65 | 43.47 |
| 5.667 | 13.51 | 50.28 | 0.61 | 8.2  | 15.19 | 1.63 | 43.47 |
| 5.689 | 13.51 | 50.28 | 0.72 | 8.19 | 15.12 | 1.75 | 43.47 |
| 5.706 | 13.51 | 50.28 | 0.8  | 8.18 | 15.09 | 1.78 | 43.47 |
| 5.72  | 13.52 | 50.28 | 0.69 | 8.18 | 15.03 | 1.72 | 43.47 |
| 5.74  | 13.52 | 50.28 | 0.76 | 8.17 | 15.01 | 1.67 | 43.47 |
| 5.765 | 13.52 | 50.28 | 0.76 | 8.18 | 14.96 | 1.82 | 43.47 |
| 5.788 | 13.52 | 50.28 | 0.69 | 8.18 | 14.86 | 1.86 | 43.47 |
| 5.805 | 13.52 | 50.28 | 0.88 | 8.18 | 14.87 | 1.81 | 43.47 |
| 5.823 | 13.52 | 50.28 | 0.84 | 8.18 | 14.79 | 1.75 | 43.46 |
| 5.842 | 13.52 | 50.28 | 0.8  | 8.18 | 14.67 | 1.3  | 43.47 |
| 5.853 | 13.52 | 50.28 | 0.76 | 8.16 | 14.59 | 1.18 | 43.47 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|--|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|  | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| <b>MÍNIMO</b>  | 13.28      | 49.16               | 0.5            | 8.3            | 23.71                       | 0.93              | 42.64           |
| <b>PROF (metros)</b>   | 0.769      | 1.104               | 3.63           | 4.765          | 2.782                       | 4.699             | 0.715           |
| <b>MÁXIMO</b>  | 13.67      | 13.67               | 1.03           | 8.91           | 44.05                       | 1.6               | 43.24           |
| <b>PROF (metros)</b>   | 3.155      | 3.179               | 2.084          | 1.349          | 0.715                       | 2.162             | 3.445           |



**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E02 - Punto 003 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.28      | 49.17               | 0.7            | 8.86           | 40.42                       | 1.26              | 42.64           |
| 1 - 2m              | 13.29      | 49.19               | 0.72           | 8.86           | 32.09                       | 1.34              | 42.65           |
| 2 - 3m              | 13.51      | 49.93               | 0.75           | 8.82           | 25.07                       | 1.37              | 43.12           |
| 3 - 4m              | 13.63      | 50.17               | 0.69           | 8.59           | 26.17                       | 1.21              | 43.23           |
| 4 - 5m              | 13.6       | 50.15               | 0.69           | 8.37           | 26.57                       | 1.09              | 43.24           |

**OBSERVACIONES GENERALES**

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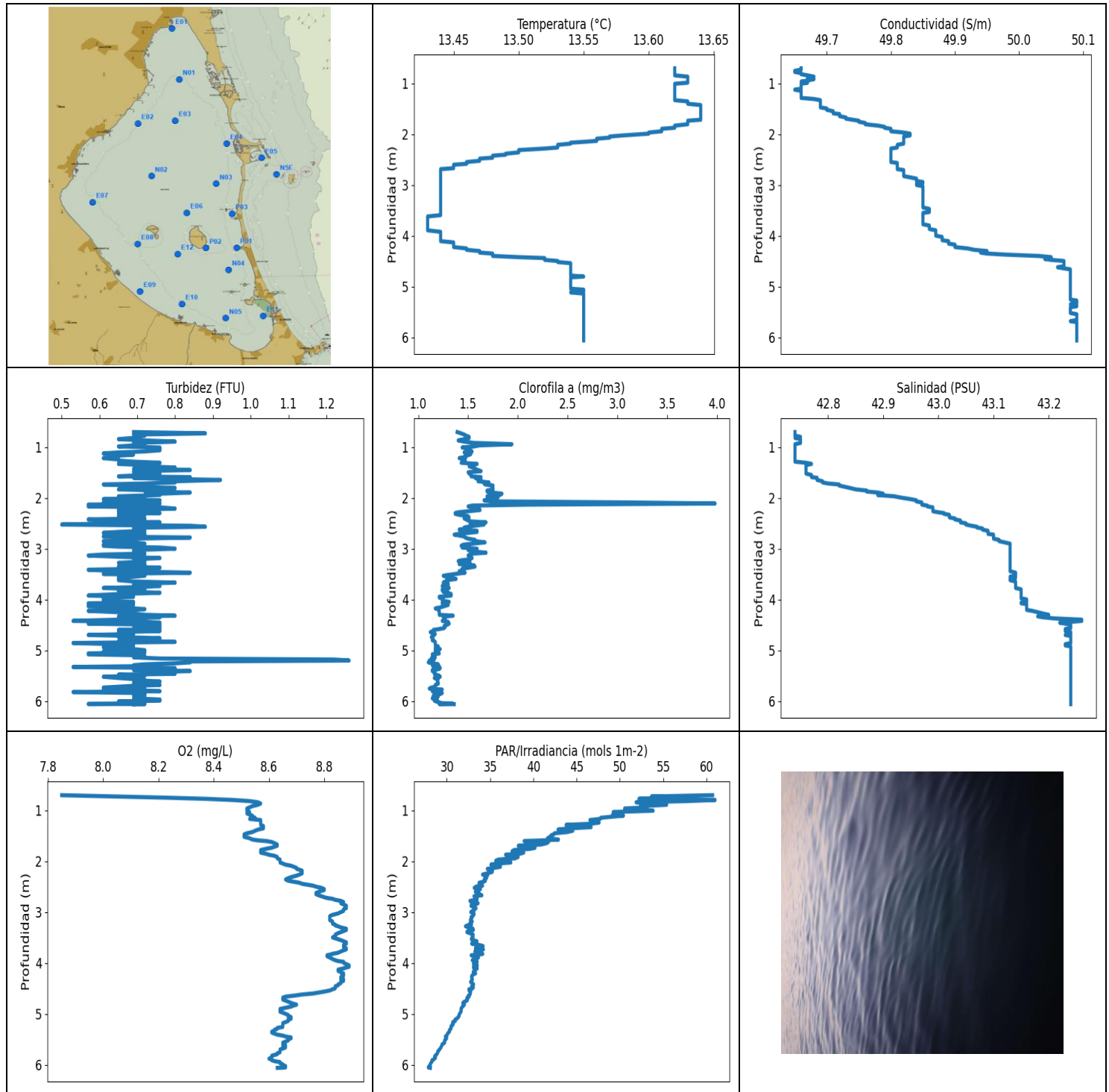
**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.715           | 13.29      | 49.17               | 0.72           | 8.83           | 44.05                       | 1.28              | 42.64           |
| 0.743           | 13.29      | 49.17               | 0.76           | 8.82           | 42.63                       | 1.27              | 42.64           |
| 0.769           | 13.28      | 49.17               | 0.69           | 8.83           | 40.93                       | 1.27              | 42.64           |
| 0.791           | 13.28      | 49.17               | 0.72           | 8.83           | 43.21                       | 1.24              | 42.64           |
| 0.812           | 13.28      | 49.17               | 0.8            | 8.84           | 39.48                       | 1.24              | 42.64           |
| 0.832           | 13.28      | 49.17               | 0.8            | 8.85           | 41.92                       | 1.24              | 42.64           |
| 0.851           | 13.28      | 49.17               | 0.69           | 8.86           | 40.01                       | 1.3               | 42.64           |
| 0.875           | 13.28      | 49.17               | 0.69           | 8.86           | 39.25                       | 1.27              | 42.64           |
| 0.902           | 13.28      | 49.17               | 0.76           | 8.86           | 40.05                       | 1.27              | 42.64           |
| 0.927           | 13.28      | 49.17               | 0.65           | 8.88           | 40.23                       | 1.26              | 42.64           |
| 0.948           | 13.28      | 49.17               | 0.61           | 8.88           | 39.38                       | 1.26              | 42.64           |
| 0.969           | 13.28      | 49.17               | 0.65           | 8.89           | 37.41                       | 1.27              | 42.64           |
| 0.996           | 13.28      | 49.17               | 0.57           | 8.89           | 36.88                       | 1.27              | 42.64           |
| 1.028           | 13.28      | 49.17               | 0.8            | 8.89           | 40.21                       | 1.29              | 42.64           |
| 1.058           | 13.28      | 49.17               | 0.69           | 8.88           | 37.68                       | 1.27              | 42.64           |
| 1.084           | 13.28      | 49.17               | 0.69           | 8.88           | 36.47                       | 1.27              | 42.64           |
| 1.104           | 13.28      | 49.16               | 0.65           | 8.86           | 35.89                       | 1.29              | 42.64           |
| 1.123           | 13.28      | 49.16               | 0.69           | 8.84           | 38.45                       | 1.3               | 42.64           |
| 1.143           | 13.28      | 49.16               | 0.76           | 8.84           | 36.98                       | 1.3               | 42.64           |
| 1.167           | 13.28      | 49.16               | 0.65           | 8.82           | 34.64                       | 1.32              | 42.64           |
| 1.194           | 13.28      | 49.16               | 0.69           | 8.82           | 34.71                       | 1.28              | 42.64           |
| 1.222           | 13.28      | 49.16               | 0.72           | 8.83           | 35.95                       | 1.3               | 42.64           |
| 1.247           | 13.28      | 49.16               | 0.76           | 8.85           | 35.46                       | 1.28              | 42.64           |
| 1.268           | 13.28      | 49.17               | 0.8            | 8.87           | 33.98                       | 1.32              | 42.64           |
| 1.287           | 13.28      | 49.17               | 0.72           | 8.88           | 34.27                       | 1.3               | 42.65           |
| 1.304           | 13.28      | 49.17               | 0.65           | 8.89           | 33.2                        | 1.29              | 42.65           |
| 1.325           | 13.28      | 49.17               | 0.72           | 8.9            | 33.94                       | 1.3               | 42.64           |
| 1.349           | 13.28      | 49.17               | 0.72           | 8.9            | 33.94                       | 1.32              | 42.64           |
| 1.377           | 13.28      | 49.17               | 0.72           | 8.9            | 32.41                       | 1.33              | 42.64           |
| 1.405           | 13.28      | 49.17               | 0.76           | 8.88           | 32.56                       | 1.29              | 42.64           |
| 1.43            | 13.28      | 49.17               | 0.72           | 8.86           | 32.51                       | 1.36              | 42.64           |
| 1.452           | 13.28      | 49.17               | 0.65           | 8.86           | 32.48                       | 1.34              | 42.64           |
| 1.474           | 13.28      | 49.17               | 0.53           | 8.84           | 31.72                       | 1.31              | 42.64           |
| 1.494           | 13.28      | 49.18               | 0.72           | 8.84           | 32.14                       | 1.3               | 42.65           |
| 1.515           | 13.29      | 49.18               | 0.76           | 8.83           | 31.36                       | 1.33              | 42.65           |
| 1.54            | 13.29      | 49.19               | 0.65           | 8.83           | 31.5                        | 1.32              | 42.65           |
| 1.567           | 13.29      | 49.19               | 0.84           | 8.83           | 30.79                       | 1.34              | 42.66           |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.588 | 13.3  | 49.19 | 0.76 | 8.82 | 30.58 | 1.31 | 42.65 |
| 1.608 | 13.3  | 49.2  | 0.8  | 8.83 | 30.95 | 1.36 | 42.65 |
| 1.628 | 13.3  | 49.2  | 0.57 | 8.83 | 30.3  | 1.37 | 42.65 |
| 1.654 | 13.3  | 49.2  | 0.72 | 8.84 | 29.96 | 1.4  | 42.65 |
| 1.684 | 13.3  | 49.21 | 0.76 | 8.84 | 30.19 | 1.36 | 42.66 |
| 1.71  | 13.31 | 49.21 | 0.65 | 8.85 | 29.49 | 1.36 | 42.65 |
| 1.73  | 13.31 | 49.21 | 0.76 | 8.87 | 29.93 | 1.35 | 42.65 |
| 1.744 | 13.31 | 49.21 | 0.61 | 8.89 | 29.54 | 1.4  | 42.65 |
| 1.762 | 13.31 | 49.21 | 0.65 | 8.9  | 28.24 | 1.33 | 42.65 |
| 1.785 | 13.31 | 49.21 | 0.65 | 8.91 | 29.39 | 1.43 | 42.65 |
| 1.813 | 13.31 | 49.2  | 0.69 | 8.91 | 29.3  | 1.39 | 42.65 |
| 1.842 | 13.31 | 49.2  | 0.69 | 8.91 | 28.73 | 1.35 | 42.65 |
| 1.868 | 13.31 | 49.21 | 0.8  | 8.91 | 27.85 | 1.39 | 42.66 |
| 1.89  | 13.31 | 49.22 | 0.84 | 8.9  | 28.6  | 1.4  | 42.67 |
| 1.907 | 13.31 | 49.23 | 0.8  | 8.89 | 28.57 | 1.37 | 42.67 |
| 1.925 | 13.31 | 49.24 | 0.8  | 8.88 | 27.64 | 1.4  | 42.67 |
| 1.948 | 13.32 | 49.24 | 0.72 | 8.88 | 27.82 | 1.38 | 42.68 |
| 1.978 | 13.32 | 49.3  | 0.76 | 8.87 | 27.55 | 1.46 | 42.73 |
| 2.008 | 13.33 | 49.38 | 0.76 | 8.86 | 27.43 | 1.4  | 42.8  |
| 2.035 | 13.35 | 49.45 | 0.72 | 8.87 | 27.76 | 1.4  | 42.85 |
| 2.055 | 13.37 | 49.5  | 0.72 | 8.88 | 26.86 | 1.46 | 42.87 |
| 2.069 | 13.38 | 49.55 | 0.92 | 8.88 | 26.78 | 1.43 | 42.91 |
| 2.084 | 13.39 | 49.56 | 1.03 | 8.89 | 26.64 | 1.44 | 42.91 |
| 2.105 | 13.39 | 49.61 | 0.92 | 8.89 | 27.23 | 1.43 | 42.94 |
| 2.132 | 13.4  | 49.68 | 0.69 | 8.88 | 27.26 | 1.49 | 43.01 |
| 2.162 | 13.41 | 49.77 | 0.92 | 8.87 | 25.76 | 1.6  | 43.09 |
| 2.186 | 13.43 | 49.78 | 0.76 | 8.86 | 26.0  | 1.53 | 43.07 |
| 2.202 | 13.43 | 49.76 | 0.76 | 8.85 | 26.43 | 1.5  | 43.05 |
| 2.212 | 13.43 | 49.78 | 0.8  | 8.85 | 26.23 | 1.44 | 43.07 |
| 2.224 | 13.44 | 49.79 | 0.72 | 8.84 | 26.34 | 1.5  | 43.08 |
| 2.244 | 13.44 | 49.8  | 0.61 | 8.84 | 25.55 | 1.53 | 43.08 |
| 2.27  | 13.44 | 49.86 | 0.65 | 8.83 | 25.2  | 1.46 | 43.14 |
| 2.292 | 13.46 | 49.9  | 0.84 | 8.83 | 26.32 | 1.45 | 43.16 |
| 2.308 | 13.47 | 49.9  | 0.72 | 8.84 | 25.88 | 1.41 | 43.14 |
| 2.323 | 13.48 | 49.92 | 0.72 | 8.85 | 24.61 | 1.39 | 43.15 |
| 2.345 | 13.49 | 49.94 | 0.72 | 8.85 | 25.26 | 1.42 | 43.16 |
| 2.371 | 13.5  | 49.96 | 0.72 | 8.85 | 25.51 | 1.47 | 43.17 |
| 2.396 | 13.51 | 49.97 | 0.8  | 8.85 | 25.4  | 1.32 | 43.17 |
| 2.416 | 13.52 | 49.97 | 0.72 | 8.85 | 24.87 | 1.38 | 43.16 |
| 2.433 | 13.52 | 49.96 | 0.8  | 8.84 | 24.64 | 1.38 | 43.15 |
| 2.452 | 13.52 | 49.97 | 0.8  | 8.83 | 24.94 | 1.38 | 43.16 |
| 2.471 | 13.52 | 49.98 | 0.84 | 8.82 | 24.81 | 1.37 | 43.16 |
| 2.493 | 13.53 | 49.98 | 0.84 | 8.82 | 24.57 | 1.3  | 43.16 |
| 2.517 | 13.53 | 49.98 | 0.72 | 8.82 | 24.78 | 1.36 | 43.16 |
| 2.54  | 13.53 | 49.99 | 0.69 | 8.81 | 24.45 | 1.31 | 43.16 |
| 2.559 | 13.53 | 49.99 | 0.8  | 8.81 | 24.14 | 1.31 | 43.17 |
| 2.577 | 13.54 | 50.0  | 0.61 | 8.8  | 24.28 | 1.28 | 43.17 |
| 2.597 | 13.54 | 50.01 | 0.8  | 8.8  | 24.23 | 1.35 | 43.18 |
| 2.619 | 13.54 | 50.05 | 0.69 | 8.79 | 24.38 | 1.3  | 43.21 |
| 2.646 | 13.56 | 50.07 | 0.72 | 8.79 | 24.27 | 1.31 | 43.22 |
| 2.669 | 13.58 | 50.07 | 0.84 | 8.78 | 24.02 | 1.33 | 43.19 |
| 2.687 | 13.58 | 50.06 | 0.8  | 8.78 | 24.06 | 1.29 | 43.17 |
| 2.704 | 13.58 | 50.06 | 0.65 | 8.78 | 24.04 | 1.34 | 43.18 |
| 2.719 | 13.58 | 50.07 | 0.8  | 8.78 | 23.96 | 1.33 | 43.18 |
| 2.735 | 13.58 | 50.07 | 0.8  | 8.78 | 24.08 | 1.27 | 43.18 |
| 2.757 | 13.59 | 50.07 | 0.61 | 8.78 | 23.77 | 1.32 | 43.18 |
| 2.782 | 13.59 | 50.08 | 0.8  | 8.78 | 23.7  | 1.28 | 43.19 |
| 2.808 | 13.59 | 50.09 | 0.61 | 8.78 | 24.1  | 1.3  | 43.2  |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 2.83  | 13.6  | 50.11 | 0.65 | 8.77 | 24.34 | 1.3  | 43.21 |
| 2.847 | 13.61 | 50.11 | 0.76 | 8.76 | 23.97 | 1.28 | 43.2  |
| 2.863 | 13.61 | 50.11 | 0.84 | 8.77 | 23.79 | 1.25 | 43.19 |
| 2.884 | 13.61 | 50.12 | 0.72 | 8.76 | 24.02 | 1.24 | 43.19 |
| 2.908 | 13.62 | 50.11 | 0.69 | 8.76 | 24.2  | 1.27 | 43.19 |
| 2.932 | 13.62 | 50.11 | 0.88 | 8.76 | 24.33 | 1.31 | 43.19 |
| 2.954 | 13.62 | 50.11 | 0.76 | 8.76 | 24.13 | 1.3  | 43.18 |
| 2.977 | 13.61 | 50.11 | 0.53 | 8.77 | 24.32 | 1.3  | 43.19 |
| 2.999 | 13.61 | 50.11 | 0.69 | 8.77 | 24.59 | 1.3  | 43.19 |
| 3.021 | 13.62 | 50.14 | 0.69 | 8.77 | 24.67 | 1.29 | 43.22 |
| 3.041 | 13.62 | 50.16 | 0.57 | 8.75 | 24.42 | 1.24 | 43.23 |
| 3.063 | 13.64 | 50.17 | 0.76 | 8.75 | 24.53 | 1.27 | 43.22 |
| 3.087 | 13.65 | 50.18 | 0.8  | 8.74 | 25.42 | 1.29 | 43.22 |
| 3.112 | 13.66 | 50.2  | 0.65 | 8.73 | 25.06 | 1.29 | 43.23 |
| 3.133 | 13.66 | 50.2  | 0.69 | 8.74 | 24.82 | 1.28 | 43.22 |
| 3.155 | 13.67 | 50.2  | 0.69 | 8.74 | 25.35 | 1.34 | 43.21 |
| 3.179 | 13.67 | 50.21 | 0.65 | 8.73 | 25.51 | 1.35 | 43.22 |
| 3.205 | 13.67 | 50.21 | 0.61 | 8.75 | 25.24 | 1.36 | 43.22 |
| 3.229 | 13.67 | 50.21 | 0.65 | 8.75 | 25.43 | 1.35 | 43.22 |
| 3.25  | 13.66 | 50.2  | 0.57 | 8.75 | 25.76 | 1.38 | 43.22 |
| 3.27  | 13.66 | 50.2  | 0.72 | 8.75 | 25.8  | 1.41 | 43.23 |
| 3.29  | 13.66 | 50.2  | 0.57 | 8.74 | 25.77 | 1.35 | 43.23 |
| 3.313 | 13.66 | 50.19 | 0.65 | 8.73 | 25.86 | 1.34 | 43.22 |
| 3.335 | 13.65 | 50.19 | 0.61 | 8.71 | 26.14 | 1.39 | 43.22 |
| 3.358 | 13.64 | 50.19 | 0.8  | 8.69 | 25.91 | 1.3  | 43.23 |
| 3.381 | 13.64 | 50.19 | 0.69 | 8.66 | 25.83 | 1.3  | 43.23 |
| 3.405 | 13.64 | 50.18 | 0.69 | 8.63 | 26.2  | 1.3  | 43.23 |
| 3.426 | 13.63 | 50.18 | 0.8  | 8.59 | 26.38 | 1.24 | 43.23 |
| 3.445 | 13.63 | 50.18 | 0.61 | 8.57 | 26.31 | 1.34 | 43.24 |
| 3.464 | 13.63 | 50.18 | 0.65 | 8.55 | 26.11 | 1.32 | 43.24 |
| 3.485 | 13.62 | 50.17 | 0.69 | 8.54 | 26.16 | 1.23 | 43.23 |
| 3.505 | 13.62 | 50.17 | 0.65 | 8.53 | 26.54 | 1.14 | 43.23 |
| 3.528 | 13.62 | 50.16 | 0.84 | 8.52 | 26.67 | 1.2  | 43.24 |
| 3.551 | 13.61 | 50.16 | 0.69 | 8.53 | 26.28 | 1.14 | 43.24 |
| 3.577 | 13.61 | 50.16 | 0.69 | 8.53 | 26.38 | 1.13 | 43.24 |
| 3.605 | 13.61 | 50.15 | 0.69 | 8.54 | 26.7  | 1.11 | 43.24 |
| 3.63  | 13.61 | 50.15 | 0.5  | 8.54 | 26.8  | 1.12 | 43.24 |
| 3.647 | 13.6  | 50.15 | 0.61 | 8.53 | 26.8  | 1.11 | 43.24 |
| 3.662 | 13.6  | 50.16 | 0.72 | 8.52 | 26.58 | 1.08 | 43.24 |
| 3.68  | 13.6  | 50.16 | 0.8  | 8.52 | 26.38 | 1.08 | 43.24 |
| 3.705 | 13.61 | 50.15 | 0.65 | 8.51 | 26.56 | 1.06 | 43.24 |
| 3.735 | 13.6  | 50.15 | 0.72 | 8.49 | 27.03 | 1.07 | 43.24 |
| 3.762 | 13.6  | 50.15 | 0.8  | 8.48 | 27.31 | 1.04 | 43.24 |
| 3.784 | 13.6  | 50.15 | 0.69 | 8.46 | 26.82 | 1.04 | 43.24 |
| 3.801 | 13.6  | 50.15 | 0.65 | 8.45 | 26.64 | 1.07 | 43.24 |
| 3.817 | 13.6  | 50.15 | 0.8  | 8.44 | 26.7  | 1.05 | 43.24 |
| 3.836 | 13.6  | 50.15 | 0.69 | 8.43 | 26.83 | 1.06 | 43.24 |
| 3.862 | 13.6  | 50.15 | 0.69 | 8.42 | 26.93 | 1.08 | 43.24 |
| 3.891 | 13.6  | 50.15 | 0.8  | 8.41 | 26.97 | 1.11 | 43.24 |
| 3.918 | 13.6  | 50.15 | 0.65 | 8.41 | 27.27 | 1.21 | 43.24 |
| 3.94  | 13.6  | 50.15 | 0.57 | 8.41 | 27.08 | 1.16 | 43.24 |
| 3.964 | 13.6  | 50.15 | 0.69 | 8.4  | 26.87 | 1.15 | 43.24 |
| 3.985 | 13.6  | 50.15 | 0.76 | 8.4  | 26.75 | 1.14 | 43.24 |
| 4.003 | 13.6  | 50.15 | 0.72 | 8.39 | 27.03 | 1.13 | 43.24 |
| 4.019 | 13.6  | 50.15 | 0.84 | 8.38 | 27.13 | 1.08 | 43.24 |
| 4.037 | 13.6  | 50.15 | 0.69 | 8.38 | 27.1  | 1.12 | 43.24 |
| 4.059 | 13.6  | 50.15 | 0.69 | 8.37 | 26.92 | 1.14 | 43.24 |
| 4.081 | 13.6  | 50.15 | 0.65 | 8.37 | 26.83 | 1.16 | 43.24 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 4.099 | 13.6  | 50.15 | 0.69 | 8.37 | 26.98 | 1.14 | 43.24 |
| 4.115 | 13.6  | 50.15 | 0.95 | 8.37 | 27.02 | 1.11 | 43.24 |
| 4.135 | 13.6  | 50.15 | 0.88 | 8.37 | 27.01 | 1.17 | 43.24 |
| 4.153 | 13.6  | 50.15 | 0.76 | 8.39 | 26.77 | 1.16 | 43.24 |
| 4.17  | 13.6  | 50.15 | 0.76 | 8.39 | 26.87 | 1.18 | 43.24 |
| 4.189 | 13.6  | 50.15 | 0.69 | 8.38 | 27.0  | 1.2  | 43.24 |
| 4.211 | 13.6  | 50.15 | 0.61 | 8.4  | 26.91 | 1.2  | 43.24 |
| 4.23  | 13.6  | 50.15 | 0.72 | 8.39 | 26.75 | 1.13 | 43.24 |
| 4.246 | 13.6  | 50.15 | 0.8  | 8.42 | 26.75 | 1.17 | 43.24 |
| 4.267 | 13.6  | 50.15 | 0.69 | 8.41 | 26.89 | 1.17 | 43.24 |
| 4.288 | 13.6  | 50.15 | 0.53 | 8.4  | 27.02 | 1.17 | 43.24 |
| 4.313 | 13.6  | 50.15 | 0.61 | 8.4  | 26.67 | 1.15 | 43.24 |
| 4.333 | 13.6  | 50.15 | 0.65 | 8.37 | 26.56 | 1.17 | 43.24 |
| 4.35  | 13.6  | 50.15 | 0.72 | 8.38 | 26.74 | 1.13 | 43.24 |
| 4.368 | 13.6  | 50.15 | 0.53 | 8.39 | 26.87 | 1.2  | 43.24 |
| 4.388 | 13.6  | 50.15 | 0.57 | 8.36 | 26.75 | 1.17 | 43.24 |
| 4.41  | 13.6  | 50.15 | 0.65 | 8.38 | 26.54 | 1.12 | 43.24 |
| 4.432 | 13.6  | 50.15 | 0.65 | 8.37 | 26.46 | 1.1  | 43.24 |
| 4.453 | 13.6  | 50.15 | 0.65 | 8.38 | 26.56 | 1.01 | 43.24 |
| 4.476 | 13.6  | 50.15 | 0.76 | 8.39 | 26.69 | 1.08 | 43.24 |
| 4.497 | 13.6  | 50.15 | 0.61 | 8.38 | 26.51 | 1.0  | 43.24 |
| 4.514 | 13.6  | 50.15 | 0.76 | 8.37 | 26.46 | 1.02 | 43.24 |
| 4.533 | 13.6  | 50.15 | 0.53 | 8.36 | 26.41 | 0.99 | 43.24 |
| 4.556 | 13.6  | 50.15 | 0.72 | 8.36 | 26.36 | 0.99 | 43.24 |
| 4.579 | 13.6  | 50.15 | 0.61 | 8.35 | 26.28 | 1.0  | 43.24 |
| 4.599 | 13.6  | 50.15 | 0.61 | 8.35 | 26.28 | 0.97 | 43.24 |
| 4.617 | 13.6  | 50.15 | 0.76 | 8.34 | 26.26 | 1.05 | 43.24 |
| 4.637 | 13.6  | 50.15 | 0.57 | 8.34 | 26.29 | 1.05 | 43.24 |
| 4.66  | 13.6  | 50.15 | 0.76 | 8.33 | 26.28 | 0.98 | 43.24 |
| 4.682 | 13.6  | 50.15 | 0.69 | 8.33 | 26.08 | 0.97 | 43.24 |
| 4.699 | 13.6  | 50.15 | 0.8  | 8.31 | 25.98 | 0.93 | 43.24 |
| 4.718 | 13.6  | 50.15 | 0.72 | 8.31 | 25.93 | 1.03 | 43.24 |
| 4.742 | 13.6  | 50.15 | 0.65 | 8.31 | 26.15 | 1.04 | 43.24 |
| 4.765 | 13.6  | 50.15 | 0.72 | 8.3  | 26.23 | 1.01 | 43.24 |
| 4.784 | 13.6  | 50.15 | 0.65 | 8.32 | 26.14 | 1.05 | 43.24 |
| 4.785 | 13.59 | 50.14 | 0.65 | 8.36 | 26.22 | 1.07 | 43.24 |
| 4.788 | 13.59 | 50.14 | 0.53 | 8.37 | 26.18 | 1.05 | 43.24 |
| 4.793 | 13.59 | 50.14 | 0.84 | 8.38 | 26.26 | 1.02 | 43.24 |
| 4.798 | 13.59 | 50.14 | 0.65 | 8.38 | 26.3  | 1.05 | 43.24 |
| 4.801 | 13.59 | 50.14 | 0.57 | 8.39 | 26.26 | 1.08 | 43.24 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.43      | 49.65               | 0.5            | 7.85           | 27.86                       | 1.1                            | 42.74           |
| <b>PROF (metros)</b> | 3.619      | 0.753               | 2.524          | 0.704          | 6.05                        | 5.236                          | 0.704           |
| <b>MÁXIMO</b>        | 13.64      | 13.64               | 1.26           | 8.89           | 61.01                       | 3.98                           | 43.26           |
| <b>PROF (metros)</b> | 1.427      | 5.274               | 5.2            | 4.045          | 0.798                       | 2.11                           | 4.396           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E03 - Punto 004 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.62      | 49.66               | 0.71           | 8.41           | 54.86                       | 1.52              | 42.74           |
| 1 - 2m              | 13.63      | 49.71               | 0.72           | 8.57           | 42.87                       | 1.59              | 42.79           |
| 2 - 3m              | 13.49      | 49.82               | 0.69           | 8.76           | 34.12                       | 1.62              | 43.05           |
| 3 - 4m              | 13.44      | 49.85               | 0.68           | 8.85           | 33.1                        | 1.38              | 43.14           |
| 4 - 5m              | 13.51      | 50.01               | 0.67           | 8.78           | 32.61                       | 1.21              | 43.21           |
| 5 - 6m              | 13.55      | 50.09               | 0.73           | 8.64           | 29.74                       | 1.17              | 43.24           |
| 6 - 7m              | 13.55      | 50.09               | 0.68           | 8.65           | 27.99                       | 1.26              | 43.24           |

**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) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.704           | 13.62      | 49.66               | 0.69           | 7.85           | 60.72                       | 1.39              | 42.74           |
| 0.73            | 13.62      | 49.66               | 0.88           | 8.05           | 53.65                       | 1.43              | 42.74           |
| 0.753           | 13.62      | 49.65               | 0.69           | 8.23           | 58.67                       | 1.46              | 42.74           |
| 0.775           | 13.62      | 49.65               | 0.72           | 8.37           | 52.2                        | 1.48              | 42.74           |
| 0.798           | 13.62      | 49.66               | 0.69           | 8.47           | 61.01                       | 1.51              | 42.75           |
| 0.82            | 13.62      | 49.66               | 0.69           | 8.53           | 57.66                       | 1.51              | 42.74           |
| 0.843           | 13.62      | 49.67               | 0.65           | 8.56           | 51.88                       | 1.46              | 42.75           |
| 0.868           | 13.63      | 49.68               | 0.72           | 8.57           | 54.76                       | 1.4               | 42.75           |
| 0.892           | 13.63      | 49.67               | 0.8            | 8.56           | 55.41                       | 1.46              | 42.75           |
| 0.918           | 13.63      | 49.68               | 0.69           | 8.54           | 52.36                       | 1.56              | 42.75           |
| 0.943           | 13.63      | 49.67               | 0.72           | 8.53           | 53.16                       | 1.94              | 42.74           |
| 0.966           | 13.63      | 49.66               | 0.69           | 8.52           | 50.55                       | 1.61              | 42.74           |
| 0.987           | 13.63      | 49.67               | 0.65           | 8.52           | 51.16                       | 1.56              | 42.74           |
| 1.008           | 13.62      | 49.66               | 0.76           | 8.52           | 53.85                       | 1.44              | 42.74           |
| 1.034           | 13.62      | 49.66               | 0.76           | 8.53           | 49.24                       | 1.5               | 42.74           |
| 1.062           | 13.62      | 49.66               | 0.76           | 8.52           | 49.46                       | 1.51              | 42.74           |
| 1.085           | 13.62      | 49.66               | 0.72           | 8.53           | 49.16                       | 1.54              | 42.74           |
| 1.105           | 13.62      | 49.66               | 0.65           | 8.54           | 50.42                       | 1.46              | 42.74           |
| 1.125           | 13.62      | 49.65               | 0.61           | 8.54           | 49.18                       | 1.53              | 42.74           |
| 1.147           | 13.62      | 49.66               | 0.69           | 8.55           | 47.8                        | 1.52              | 42.74           |
| 1.169           | 13.62      | 49.66               | 0.65           | 8.53           | 47.74                       | 1.47              | 42.74           |
| 1.192           | 13.62      | 49.66               | 0.65           | 8.57           | 46.54                       | 1.48              | 42.74           |
| 1.217           | 13.62      | 49.66               | 0.61           | 8.57           | 47.32                       | 1.41              | 42.74           |
| 1.242           | 13.62      | 49.66               | 0.65           | 8.57           | 47.6                        | 1.47              | 42.74           |
| 1.266           | 13.62      | 49.66               | 0.65           | 8.57           | 46.54                       | 1.47              | 42.74           |
| 1.287           | 13.62      | 49.66               | 0.69           | 8.57           | 43.79                       | 1.45              | 42.74           |
| 1.308           | 13.62      | 49.68               | 0.76           | 8.58           | 46.32                       | 1.43              | 42.76           |
| 1.331           | 13.62      | 49.69               | 0.65           | 8.58           | 46.68                       | 1.59              | 42.77           |
| 1.355           | 13.63      | 49.69               | 0.72           | 8.58           | 44.11                       | 1.55              | 42.76           |
| 1.379           | 13.63      | 49.69               | 0.72           | 8.56           | 42.86                       | 1.51              | 42.76           |
| 1.402           | 13.63      | 49.69               | 0.8            | 8.55           | 44.56                       | 1.55              | 42.76           |
| 1.427           | 13.64      | 49.69               | 0.69           | 8.54           | 43.91                       | 1.57              | 42.76           |
| 1.452           | 13.64      | 49.69               | 0.84           | 8.52           | 42.43                       | 1.6               | 42.76           |
| 1.473           | 13.64      | 49.69               | 0.69           | 8.51           | 42.36                       | 1.63              | 42.76           |
| 1.495           | 13.64      | 49.7                | 0.69           | 8.51           | 42.03                       | 1.5               | 42.76           |

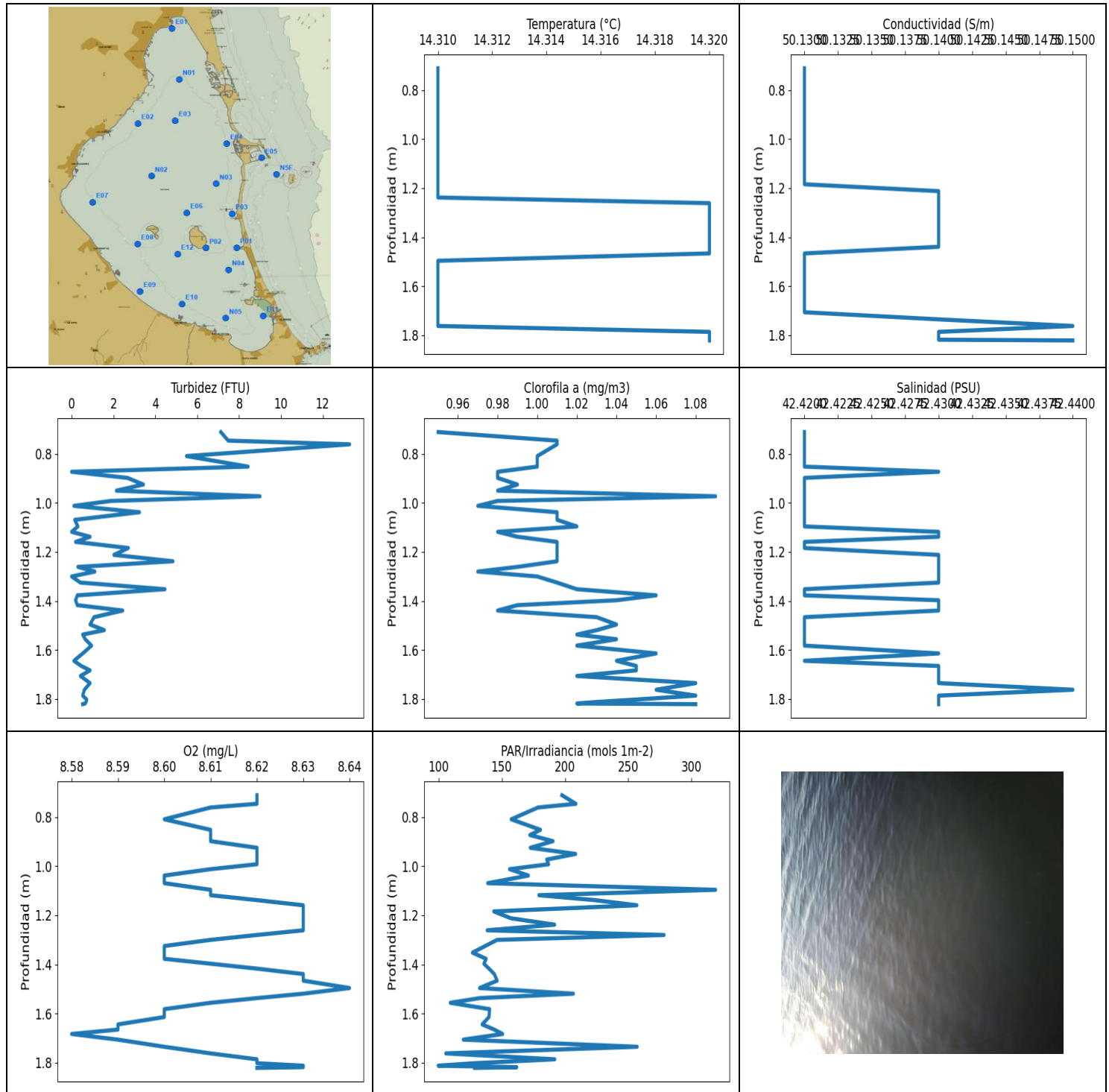
|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 1.521 | 13.64 | 49.7  | 0.76 | 8.51 | 41.96 | 1.51 | 42.76 |
| 1.549 | 13.64 | 49.71 | 0.72 | 8.53 | 41.64 | 1.53 | 42.77 |
| 1.575 | 13.64 | 49.71 | 0.65 | 8.54 | 42.91 | 1.53 | 42.77 |
| 1.591 | 13.64 | 49.71 | 0.84 | 8.56 | 41.15 | 1.63 | 42.77 |
| 1.604 | 13.64 | 49.72 | 0.69 | 8.59 | 38.94 | 1.57 | 42.78 |
| 1.623 | 13.64 | 49.72 | 0.76 | 8.61 | 41.75 | 1.59 | 42.78 |
| 1.646 | 13.64 | 49.72 | 0.92 | 8.62 | 41.53 | 1.63 | 42.78 |
| 1.672 | 13.64 | 49.73 | 0.8  | 8.63 | 40.86 | 1.6  | 42.79 |
| 1.696 | 13.64 | 49.73 | 0.8  | 8.63 | 38.26 | 1.71 | 42.79 |
| 1.716 | 13.64 | 49.74 | 0.72 | 8.62 | 38.64 | 1.66 | 42.8  |
| 1.735 | 13.63 | 49.75 | 0.61 | 8.61 | 40.2  | 1.67 | 42.82 |
| 1.756 | 13.63 | 49.75 | 0.69 | 8.59 | 39.65 | 1.75 | 42.82 |
| 1.78  | 13.63 | 49.76 | 0.69 | 8.57 | 37.81 | 1.74 | 42.83 |
| 1.805 | 13.63 | 49.76 | 0.8  | 8.57 | 37.54 | 1.75 | 42.84 |
| 1.832 | 13.62 | 49.78 | 0.65 | 8.57 | 38.89 | 1.75 | 42.85 |
| 1.855 | 13.62 | 49.79 | 0.76 | 8.59 | 38.41 | 1.69 | 42.87 |
| 1.874 | 13.62 | 49.79 | 0.72 | 8.6  | 36.79 | 1.69 | 42.87 |
| 1.894 | 13.61 | 49.8  | 0.84 | 8.62 | 37.52 | 1.74 | 42.89 |
| 1.917 | 13.61 | 49.8  | 0.76 | 8.63 | 38.24 | 1.84 | 42.9  |
| 1.943 | 13.61 | 49.8  | 0.76 | 8.63 | 37.9  | 1.82 | 42.89 |
| 1.968 | 13.6  | 49.82 | 0.65 | 8.64 | 35.96 | 1.69 | 42.92 |
| 1.99  | 13.6  | 49.83 | 0.65 | 8.64 | 35.66 | 1.8  | 42.93 |
| 2.007 | 13.59 | 49.83 | 0.72 | 8.64 | 37.27 | 1.79 | 42.94 |
| 2.025 | 13.58 | 49.83 | 0.61 | 8.64 | 37.4  | 1.72 | 42.95 |
| 2.046 | 13.57 | 49.82 | 0.76 | 8.65 | 35.8  | 1.66 | 42.96 |
| 2.068 | 13.57 | 49.82 | 0.69 | 8.66 | 35.1  | 1.74 | 42.96 |
| 2.089 | 13.56 | 49.82 | 0.61 | 8.68 | 36.17 | 3.11 | 42.97 |
| 2.11  | 13.56 | 49.82 | 0.76 | 8.69 | 36.2  | 3.98 | 42.97 |
| 2.132 | 13.56 | 49.82 | 0.57 | 8.7  | 35.41 | 2.11 | 42.97 |
| 2.151 | 13.55 | 49.82 | 0.72 | 8.7  | 34.68 | 1.54 | 42.98 |
| 2.167 | 13.54 | 49.82 | 0.57 | 8.71 | 35.18 | 1.5  | 42.98 |
| 2.186 | 13.54 | 49.82 | 0.76 | 8.72 | 35.28 | 1.54 | 42.99 |
| 2.21  | 13.53 | 49.81 | 0.8  | 8.72 | 35.25 | 1.61 | 42.99 |
| 2.238 | 13.53 | 49.81 | 0.65 | 8.72 | 34.68 | 1.62 | 42.99 |
| 2.263 | 13.53 | 49.81 | 0.65 | 8.71 | 34.13 | 1.5  | 42.99 |
| 2.283 | 13.52 | 49.8  | 0.69 | 8.7  | 34.71 | 1.4  | 43.0  |
| 2.298 | 13.51 | 49.8  | 0.76 | 8.69 | 34.44 | 1.37 | 43.01 |
| 2.313 | 13.5  | 49.8  | 0.65 | 8.68 | 34.54 | 1.37 | 43.01 |
| 2.333 | 13.5  | 49.8  | 0.72 | 8.67 | 34.58 | 1.41 | 43.02 |
| 2.359 | 13.5  | 49.8  | 0.65 | 8.66 | 34.32 | 1.5  | 43.02 |
| 2.384 | 13.49 | 49.8  | 0.69 | 8.67 | 34.46 | 1.51 | 43.02 |
| 2.404 | 13.49 | 49.8  | 0.72 | 8.69 | 34.25 | 1.46 | 43.03 |
| 2.423 | 13.48 | 49.8  | 0.57 | 8.71 | 33.73 | 1.48 | 43.03 |
| 2.444 | 13.48 | 49.8  | 0.65 | 8.72 | 33.73 | 1.5  | 43.04 |
| 2.463 | 13.48 | 49.8  | 0.65 | 8.74 | 33.83 | 1.53 | 43.04 |
| 2.481 | 13.47 | 49.8  | 0.76 | 8.76 | 34.13 | 1.68 | 43.04 |
| 2.5   | 13.47 | 49.8  | 0.65 | 8.77 | 33.37 | 1.52 | 43.05 |
| 2.524 | 13.47 | 49.8  | 0.5  | 8.79 | 33.17 | 1.66 | 43.05 |
| 2.548 | 13.46 | 49.8  | 0.84 | 8.8  | 33.89 | 1.56 | 43.06 |
| 2.567 | 13.46 | 49.81 | 0.88 | 8.8  | 33.67 | 1.5  | 43.07 |
| 2.583 | 13.46 | 49.81 | 0.72 | 8.79 | 33.49 | 1.46 | 43.07 |
| 2.601 | 13.45 | 49.81 | 0.69 | 8.78 | 33.3  | 1.48 | 43.08 |
| 2.624 | 13.45 | 49.81 | 0.69 | 8.77 | 33.72 | 1.41 | 43.08 |
| 2.647 | 13.45 | 49.81 | 0.72 | 8.77 | 33.73 | 1.59 | 43.09 |
| 2.669 | 13.45 | 49.81 | 0.65 | 8.78 | 34.05 | 1.59 | 43.09 |
| 2.688 | 13.44 | 49.81 | 0.61 | 8.79 | 33.14 | 1.5  | 43.09 |
| 2.707 | 13.44 | 49.82 | 0.72 | 8.8  | 33.22 | 1.41 | 43.09 |
| 2.722 | 13.44 | 49.82 | 0.72 | 8.81 | 33.38 | 1.36 | 43.1  |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 2.739 | 13.44 | 49.82 | 0.65 | 8.83 | 33.5  | 1.41 | 43.1  |
| 2.759 | 13.44 | 49.82 | 0.61 | 8.84 | 33.48 | 1.46 | 43.1  |
| 2.779 | 13.44 | 49.82 | 0.84 | 8.86 | 32.68 | 1.47 | 43.1  |
| 2.802 | 13.44 | 49.82 | 0.69 | 8.87 | 32.81 | 1.5  | 43.1  |
| 2.825 | 13.44 | 49.82 | 0.69 | 8.86 | 33.61 | 1.57 | 43.11 |
| 2.85  | 13.44 | 49.83 | 0.61 | 8.87 | 33.24 | 1.57 | 43.11 |
| 2.875 | 13.44 | 49.84 | 0.69 | 8.88 | 32.8  | 1.67 | 43.12 |
| 2.9   | 13.44 | 49.84 | 0.72 | 8.88 | 33.07 | 1.54 | 43.13 |
| 2.921 | 13.44 | 49.84 | 0.61 | 8.88 | 33.38 | 1.45 | 43.13 |
| 2.942 | 13.44 | 49.85 | 0.61 | 8.87 | 33.24 | 1.43 | 43.13 |
| 2.959 | 13.44 | 49.85 | 0.65 | 8.87 | 33.18 | 1.5  | 43.13 |
| 2.976 | 13.44 | 49.84 | 0.76 | 8.87 | 32.96 | 1.44 | 43.13 |
| 2.999 | 13.44 | 49.84 | 0.8  | 8.86 | 32.77 | 1.59 | 43.13 |
| 3.026 | 13.44 | 49.85 | 0.69 | 8.85 | 33.15 | 1.5  | 43.13 |
| 3.054 | 13.44 | 49.85 | 0.69 | 8.83 | 33.12 | 1.56 | 43.13 |
| 3.078 | 13.44 | 49.85 | 0.69 | 8.82 | 33.0  | 1.68 | 43.13 |
| 3.097 | 13.44 | 49.85 | 0.72 | 8.82 | 32.81 | 1.54 | 43.13 |
| 3.114 | 13.44 | 49.85 | 0.61 | 8.82 | 32.91 | 1.52 | 43.13 |
| 3.133 | 13.44 | 49.85 | 0.57 | 8.82 | 32.82 | 1.5  | 43.13 |
| 3.157 | 13.44 | 49.85 | 0.65 | 8.82 | 32.72 | 1.53 | 43.13 |
| 3.183 | 13.44 | 49.85 | 0.76 | 8.83 | 32.94 | 1.54 | 43.13 |
| 3.208 | 13.44 | 49.85 | 0.69 | 8.83 | 32.75 | 1.52 | 43.13 |
| 3.228 | 13.44 | 49.85 | 0.72 | 8.83 | 32.64 | 1.43 | 43.13 |
| 3.245 | 13.44 | 49.85 | 0.72 | 8.84 | 32.86 | 1.4  | 43.13 |
| 3.262 | 13.44 | 49.85 | 0.69 | 8.84 | 32.38 | 1.46 | 43.13 |
| 3.278 | 13.44 | 49.85 | 0.65 | 8.85 | 32.16 | 1.52 | 43.13 |
| 3.301 | 13.44 | 49.85 | 0.72 | 8.86 | 32.62 | 1.41 | 43.13 |
| 3.326 | 13.44 | 49.85 | 0.72 | 8.88 | 33.03 | 1.56 | 43.13 |
| 3.351 | 13.44 | 49.85 | 0.65 | 8.88 | 33.07 | 1.57 | 43.13 |
| 3.372 | 13.44 | 49.85 | 0.76 | 8.87 | 32.41 | 1.51 | 43.13 |
| 3.392 | 13.44 | 49.85 | 0.72 | 8.86 | 32.32 | 1.44 | 43.13 |
| 3.413 | 13.44 | 49.85 | 0.57 | 8.85 | 32.66 | 1.46 | 43.13 |
| 3.442 | 13.44 | 49.85 | 0.65 | 8.84 | 33.05 | 1.41 | 43.13 |
| 3.471 | 13.44 | 49.86 | 0.84 | 8.84 | 32.93 | 1.47 | 43.14 |
| 3.496 | 13.44 | 49.86 | 0.61 | 8.83 | 33.04 | 1.37 | 43.14 |
| 3.515 | 13.44 | 49.86 | 0.72 | 8.84 | 32.86 | 1.3  | 43.14 |
| 3.532 | 13.44 | 49.86 | 0.72 | 8.85 | 32.84 | 1.25 | 43.14 |
| 3.55  | 13.44 | 49.85 | 0.69 | 8.86 | 32.94 | 1.28 | 43.13 |
| 3.571 | 13.44 | 49.85 | 0.65 | 8.87 | 33.48 | 1.32 | 43.14 |
| 3.593 | 13.44 | 49.85 | 0.65 | 8.88 | 33.43 | 1.38 | 43.13 |
| 3.619 | 13.43 | 49.85 | 0.65 | 8.88 | 32.87 | 1.29 | 43.13 |
| 3.644 | 13.43 | 49.85 | 0.69 | 8.87 | 33.69 | 1.27 | 43.14 |
| 3.667 | 13.43 | 49.85 | 0.8  | 8.87 | 34.2  | 1.25 | 43.14 |
| 3.689 | 13.43 | 49.85 | 0.69 | 8.87 | 33.45 | 1.3  | 43.14 |
| 3.711 | 13.43 | 49.85 | 0.69 | 8.88 | 33.31 | 1.3  | 43.14 |
| 3.732 | 13.43 | 49.85 | 0.76 | 8.88 | 34.23 | 1.24 | 43.14 |
| 3.75  | 13.43 | 49.85 | 0.72 | 8.87 | 33.8  | 1.29 | 43.14 |
| 3.773 | 13.43 | 49.85 | 0.61 | 8.86 | 33.24 | 1.31 | 43.14 |
| 3.798 | 13.43 | 49.86 | 0.72 | 8.85 | 33.41 | 1.24 | 43.15 |
| 3.82  | 13.43 | 49.86 | 0.65 | 8.83 | 34.16 | 1.24 | 43.15 |
| 3.836 | 13.43 | 49.86 | 0.65 | 8.82 | 33.6  | 1.29 | 43.15 |
| 3.848 | 13.43 | 49.86 | 0.69 | 8.81 | 32.82 | 1.25 | 43.15 |
| 3.866 | 13.43 | 49.86 | 0.76 | 8.81 | 33.12 | 1.3  | 43.15 |
| 3.892 | 13.43 | 49.87 | 0.65 | 8.82 | 33.66 | 1.33 | 43.15 |
| 3.921 | 13.44 | 49.87 | 0.57 | 8.83 | 33.35 | 1.33 | 43.15 |
| 3.945 | 13.44 | 49.87 | 0.69 | 8.84 | 32.94 | 1.21 | 43.15 |
| 3.961 | 13.44 | 49.87 | 0.61 | 8.85 | 33.28 | 1.21 | 43.15 |
| 3.976 | 13.44 | 49.87 | 0.61 | 8.87 | 33.51 | 1.24 | 43.15 |



|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 3.997 | 13.44 | 49.87 | 0.61 | 8.87 | 33.11 | 1.25 | 43.16 |
| 4.022 | 13.44 | 49.88 | 0.61 | 8.88 | 33.08 | 1.24 | 43.16 |
| 4.045 | 13.44 | 49.88 | 0.69 | 8.89 | 33.52 | 1.31 | 43.16 |
| 4.062 | 13.44 | 49.88 | 0.69 | 8.89 | 33.45 | 1.24 | 43.15 |
| 4.074 | 13.44 | 49.88 | 0.57 | 8.89 | 33.1  | 1.24 | 43.15 |
| 4.087 | 13.44 | 49.88 | 0.57 | 8.88 | 33.07 | 1.26 | 43.16 |
| 4.105 | 13.44 | 49.89 | 0.69 | 8.87 | 33.51 | 1.3  | 43.16 |
| 4.13  | 13.45 | 49.89 | 0.57 | 8.85 | 33.34 | 1.26 | 43.16 |
| 4.154 | 13.45 | 49.89 | 0.65 | 8.85 | 33.18 | 1.22 | 43.16 |
| 4.174 | 13.45 | 49.9  | 0.69 | 8.86 | 33.05 | 1.17 | 43.16 |
| 4.189 | 13.45 | 49.9  | 0.72 | 8.86 | 33.17 | 1.2  | 43.16 |
| 4.203 | 13.45 | 49.9  | 0.69 | 8.87 | 33.33 | 1.2  | 43.16 |
| 4.222 | 13.45 | 49.9  | 0.57 | 8.87 | 33.09 | 1.21 | 43.17 |
| 4.249 | 13.46 | 49.92 | 0.65 | 8.87 | 32.89 | 1.21 | 43.18 |
| 4.276 | 13.46 | 49.93 | 0.69 | 8.86 | 32.85 | 1.21 | 43.19 |
| 4.3   | 13.47 | 49.95 | 0.72 | 8.86 | 32.92 | 1.21 | 43.2  |
| 4.318 | 13.47 | 49.95 | 0.8  | 8.87 | 32.96 | 1.35 | 43.19 |
| 4.331 | 13.47 | 49.94 | 0.65 | 8.86 | 32.89 | 1.28 | 43.18 |
| 4.349 | 13.48 | 49.95 | 0.76 | 8.87 | 32.84 | 1.25 | 43.19 |
| 4.371 | 13.48 | 49.98 | 0.65 | 8.86 | 32.75 | 1.27 | 43.21 |
| 4.396 | 13.48 | 50.03 | 0.65 | 8.86 | 32.97 | 1.27 | 43.26 |
| 4.42  | 13.5  | 50.05 | 0.53 | 8.85 | 33.1  | 1.24 | 43.26 |
| 4.438 | 13.52 | 50.05 | 0.72 | 8.85 | 32.93 | 1.3  | 43.24 |
| 4.455 | 13.52 | 50.04 | 0.76 | 8.84 | 32.88 | 1.3  | 43.22 |
| 4.474 | 13.52 | 50.05 | 0.57 | 8.84 | 33.07 | 1.31 | 43.23 |
| 4.495 | 13.53 | 50.07 | 0.76 | 8.84 | 33.01 | 1.29 | 43.24 |
| 4.516 | 13.53 | 50.07 | 0.69 | 8.83 | 32.55 | 1.26 | 43.24 |
| 4.539 | 13.54 | 50.07 | 0.76 | 8.82 | 32.57 | 1.27 | 43.24 |
| 4.561 | 13.54 | 50.07 | 0.72 | 8.8  | 32.77 | 1.26 | 43.24 |
| 4.58  | 13.54 | 50.07 | 0.76 | 8.78 | 32.73 | 1.21 | 43.23 |
| 4.598 | 13.54 | 50.07 | 0.65 | 8.76 | 32.69 | 1.15 | 43.23 |
| 4.618 | 13.54 | 50.06 | 0.76 | 8.72 | 32.69 | 1.16 | 43.23 |
| 4.641 | 13.54 | 50.07 | 0.65 | 8.69 | 32.48 | 1.12 | 43.24 |
| 4.66  | 13.54 | 50.08 | 0.69 | 8.66 | 32.57 | 1.14 | 43.24 |
| 4.679 | 13.54 | 50.08 | 0.69 | 8.65 | 32.35 | 1.17 | 43.24 |
| 4.697 | 13.54 | 50.08 | 0.57 | 8.65 | 32.31 | 1.16 | 43.23 |
| 4.717 | 13.54 | 50.08 | 0.69 | 8.65 | 32.4  | 1.15 | 43.24 |
| 4.738 | 13.54 | 50.08 | 0.65 | 8.66 | 32.33 | 1.13 | 43.24 |
| 4.76  | 13.54 | 50.08 | 0.76 | 8.67 | 32.02 | 1.14 | 43.24 |
| 4.782 | 13.54 | 50.08 | 0.69 | 8.68 | 31.85 | 1.15 | 43.24 |
| 4.802 | 13.55 | 50.08 | 0.69 | 8.69 | 31.86 | 1.14 | 43.24 |
| 4.817 | 13.54 | 50.08 | 0.65 | 8.7  | 32.04 | 1.16 | 43.24 |
| 4.833 | 13.54 | 50.08 | 0.8  | 8.69 | 31.94 | 1.17 | 43.24 |
| 4.855 | 13.54 | 50.08 | 0.53 | 8.68 | 31.84 | 1.17 | 43.24 |
| 4.879 | 13.54 | 50.08 | 0.65 | 8.66 | 31.69 | 1.17 | 43.23 |
| 4.902 | 13.54 | 50.08 | 0.69 | 8.64 | 31.64 | 1.17 | 43.23 |
| 4.922 | 13.54 | 50.08 | 0.65 | 8.64 | 31.68 | 1.2  | 43.24 |
| 4.94  | 13.54 | 50.08 | 0.61 | 8.64 | 31.64 | 1.18 | 43.24 |
| 4.956 | 13.54 | 50.08 | 0.69 | 8.64 | 31.64 | 1.17 | 43.24 |
| 4.975 | 13.54 | 50.08 | 0.69 | 8.65 | 31.55 | 1.22 | 43.24 |
| 4.998 | 13.54 | 50.08 | 0.72 | 8.66 | 31.47 | 1.17 | 43.24 |
| 5.021 | 13.54 | 50.08 | 0.61 | 8.67 | 31.41 | 1.17 | 43.24 |
| 5.041 | 13.54 | 50.08 | 0.72 | 8.67 | 31.42 | 1.2  | 43.24 |
| 5.06  | 13.55 | 50.08 | 0.57 | 8.68 | 31.34 | 1.21 | 43.24 |
| 5.078 | 13.55 | 50.08 | 0.57 | 8.67 | 31.26 | 1.14 | 43.24 |
| 5.094 | 13.55 | 50.08 | 0.69 | 8.68 | 31.1  | 1.17 | 43.24 |
| 5.114 | 13.54 | 50.08 | 0.72 | 8.67 | 30.94 | 1.14 | 43.24 |
| 5.137 | 13.55 | 50.08 | 0.69 | 8.67 | 30.99 | 1.17 | 43.24 |

|       |       |       |      |      |       |      |       |
|-------|-------|-------|------|------|-------|------|-------|
| 5.16  | 13.55 | 50.08 | 0.76 | 8.66 | 30.69 | 1.13 | 43.24 |
| 5.18  | 13.55 | 50.08 | 1.22 | 8.65 | 30.66 | 1.16 | 43.24 |
| 5.2   | 13.55 | 50.08 | 1.26 | 8.65 | 30.74 | 1.11 | 43.24 |
| 5.217 | 13.55 | 50.08 | 0.84 | 8.65 | 30.68 | 1.11 | 43.24 |
| 5.236 | 13.55 | 50.08 | 0.84 | 8.65 | 30.5  | 1.1  | 43.24 |
| 5.255 | 13.55 | 50.08 | 0.8  | 8.65 | 30.49 | 1.14 | 43.24 |
| 5.274 | 13.55 | 50.09 | 0.72 | 8.63 | 30.5  | 1.2  | 43.24 |
| 5.292 | 13.55 | 50.09 | 0.69 | 8.63 | 30.47 | 1.14 | 43.24 |
| 5.31  | 13.55 | 50.09 | 0.72 | 8.62 | 30.32 | 1.21 | 43.24 |
| 5.327 | 13.55 | 50.09 | 0.53 | 8.62 | 30.3  | 1.15 | 43.24 |
| 5.348 | 13.55 | 50.08 | 0.8  | 8.61 | 30.31 | 1.22 | 43.24 |
| 5.366 | 13.55 | 50.09 | 0.8  | 8.61 | 30.19 | 1.21 | 43.24 |
| 5.386 | 13.55 | 50.09 | 0.69 | 8.62 | 30.08 | 1.14 | 43.24 |
| 5.406 | 13.55 | 50.08 | 0.84 | 8.63 | 30.05 | 1.14 | 43.24 |
| 5.425 | 13.55 | 50.08 | 0.76 | 8.65 | 29.99 | 1.17 | 43.24 |
| 5.443 | 13.55 | 50.08 | 0.72 | 8.66 | 29.83 | 1.17 | 43.24 |
| 5.461 | 13.55 | 50.08 | 0.8  | 8.68 | 29.96 | 1.16 | 43.24 |
| 5.478 | 13.55 | 50.08 | 0.65 | 8.68 | 29.98 | 1.17 | 43.24 |
| 5.497 | 13.55 | 50.08 | 0.72 | 8.67 | 29.88 | 1.21 | 43.24 |
| 5.519 | 13.55 | 50.08 | 0.61 | 8.67 | 29.74 | 1.22 | 43.24 |
| 5.543 | 13.55 | 50.09 | 0.65 | 8.66 | 29.75 | 1.16 | 43.24 |
| 5.564 | 13.55 | 50.09 | 0.69 | 8.65 | 29.75 | 1.2  | 43.24 |
| 5.581 | 13.55 | 50.09 | 0.72 | 8.65 | 29.59 | 1.19 | 43.24 |
| 5.597 | 13.55 | 50.09 | 0.72 | 8.65 | 29.45 | 1.19 | 43.24 |
| 5.613 | 13.55 | 50.09 | 0.76 | 8.66 | 29.44 | 1.19 | 43.24 |
| 5.634 | 13.55 | 50.09 | 0.69 | 8.65 | 29.38 | 1.2  | 43.24 |
| 5.657 | 13.55 | 50.09 | 0.72 | 8.66 | 29.32 | 1.2  | 43.24 |
| 5.68  | 13.55 | 50.08 | 0.76 | 8.65 | 29.23 | 1.17 | 43.24 |
| 5.698 | 13.55 | 50.09 | 0.69 | 8.64 | 29.14 | 1.17 | 43.24 |
| 5.715 | 13.55 | 50.09 | 0.65 | 8.64 | 29.09 | 1.17 | 43.24 |
| 5.733 | 13.55 | 50.09 | 0.61 | 8.64 | 28.96 | 1.13 | 43.24 |
| 5.752 | 13.55 | 50.09 | 0.72 | 8.64 | 28.96 | 1.11 | 43.24 |
| 5.772 | 13.55 | 50.09 | 0.61 | 8.63 | 28.91 | 1.24 | 43.24 |
| 5.789 | 13.55 | 50.09 | 0.69 | 8.63 | 28.85 | 1.21 | 43.24 |
| 5.804 | 13.55 | 50.09 | 0.76 | 8.62 | 28.75 | 1.14 | 43.24 |
| 5.82  | 13.55 | 50.09 | 0.53 | 8.61 | 28.65 | 1.17 | 43.24 |
| 5.84  | 13.55 | 50.09 | 0.72 | 8.61 | 28.59 | 1.24 | 43.24 |
| 5.859 | 13.55 | 50.09 | 0.72 | 8.61 | 28.69 | 1.22 | 43.24 |
| 5.878 | 13.55 | 50.09 | 0.72 | 8.6  | 28.57 | 1.16 | 43.24 |
| 5.894 | 13.55 | 50.09 | 0.69 | 8.61 | 28.48 | 1.15 | 43.24 |
| 5.909 | 13.55 | 50.09 | 0.72 | 8.61 | 28.28 | 1.2  | 43.24 |
| 5.926 | 13.55 | 50.09 | 0.72 | 8.62 | 28.31 | 1.15 | 43.24 |
| 5.945 | 13.55 | 50.09 | 0.69 | 8.64 | 28.25 | 1.14 | 43.24 |
| 5.968 | 13.55 | 50.09 | 0.76 | 8.64 | 28.13 | 1.19 | 43.24 |
| 5.989 | 13.55 | 50.09 | 0.76 | 8.65 | 28.1  | 1.16 | 43.24 |
| 6.006 | 13.55 | 50.09 | 0.65 | 8.65 | 28.07 | 1.18 | 43.24 |
| 6.021 | 13.55 | 50.09 | 0.72 | 8.66 | 27.98 | 1.21 | 43.24 |
| 6.038 | 13.55 | 50.09 | 0.72 | 8.66 | 27.89 | 1.23 | 43.24 |
| 6.05  | 13.55 | 50.09 | 0.65 | 8.66 | 27.86 | 1.35 | 43.24 |
| 6.055 | 13.55 | 50.09 | 0.57 | 8.65 | 27.96 | 1.23 | 43.24 |
| 6.056 | 13.55 | 50.09 | 0.72 | 8.64 | 28.0  | 1.21 | 43.24 |
| 6.057 | 13.55 | 50.09 | 0.69 | 8.64 | 28.06 | 1.32 | 43.24 |
| 6.059 | 13.55 | 50.09 | 0.69 | 8.63 | 28.1  | 1.36 | 43.24 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 14.31      | 50.13               | 0.0            | 8.58           | 99.43                       | 0.95                           | 42.42           |
| <b>PROF (metros)</b> | 0.711      | 0.711               | 0.873          | 1.683          | 1.812                       | 0.711                          | 0.711           |
| <b>MÁXIMO</b>        | 14.32      | 14.32               | 13.28          | 8.64           | 319.33                      | 1.09                           | 42.44           |
| <b>PROF (metros)</b> | 1.261      | 1.762               | 0.761          | 1.496          | 1.096                       | 0.973                          | 1.762           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E01 - Punto 005 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 14.31      | 50.13               | 6.09           | 8.62           | 186.63                      | 1.0               | 42.42           |
| 1 - 2m              | 14.31      | 50.14               | 1.04           | 8.61           | 160.59                      | 1.03              | 42.43           |

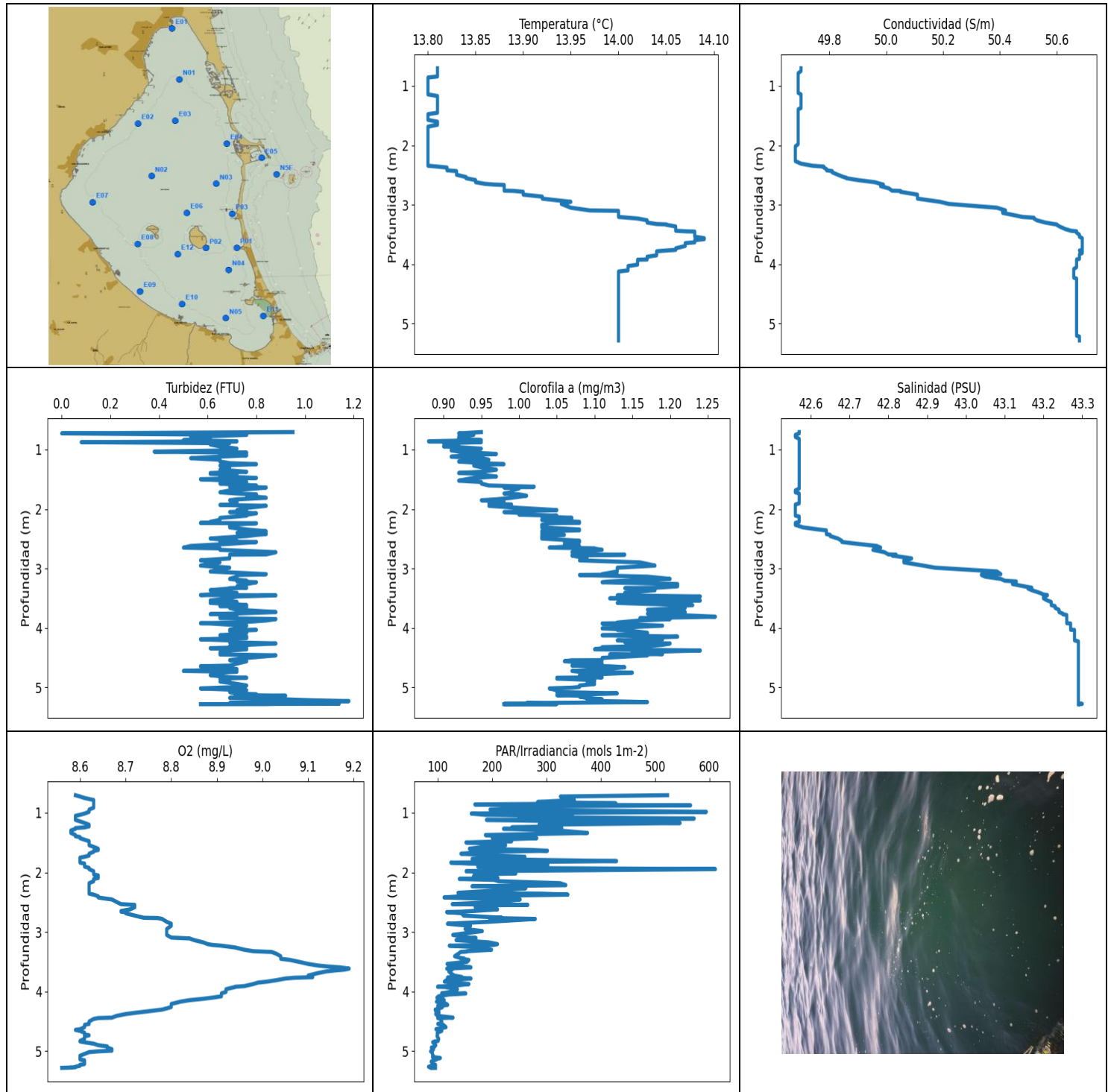
**OBSERVACIONES GENERALES**

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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) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.711           | 14.31      | 50.13               | 7.13           | 8.62           | 197.5                       | 0.95              | 42.42           |
| 0.746           | 14.31      | 50.13               | 7.48           | 8.62           | 208.61                      | 1.01              | 42.42           |
| 0.761           | 14.31      | 50.13               | 13.28          | 8.61           | 178.56                      | 1.01              | 42.42           |
| 0.809           | 14.31      | 50.13               | 5.49           | 8.6            | 157.33                      | 1.0               | 42.42           |
| 0.852           | 14.31      | 50.13               | 8.43           | 8.61           | 180.52                      | 1.0               | 42.42           |
| 0.873           | 14.31      | 50.13               | 0.0            | 8.61           | 172.1                       | 0.98              | 42.43           |
| 0.898           | 14.31      | 50.13               | 2.67           | 8.61           | 190.49                      | 0.98              | 42.42           |
| 0.925           | 14.31      | 50.13               | 3.43           | 8.62           | 172.42                      | 0.99              | 42.42           |
| 0.95            | 14.31      | 50.13               | 2.14           | 8.62           | 208.41                      | 0.98              | 42.42           |
| 0.973           | 14.31      | 50.13               | 9.0            | 8.62           | 185.48                      | 1.09              | 42.42           |
| 0.992           | 14.31      | 50.13               | 1.87           | 8.62           | 186.95                      | 0.98              | 42.42           |
| 1.012           | 14.31      | 50.13               | 0.11           | 8.61           | 155.99                      | 0.97              | 42.42           |
| 1.038           | 14.31      | 50.13               | 3.24           | 8.6            | 170.95                      | 1.01              | 42.42           |
| 1.069           | 14.31      | 50.13               | 0.15           | 8.6            | 138.7                       | 1.01              | 42.42           |
| 1.096           | 14.31      | 50.13               | 0.3            | 8.61           | 319.33                      | 1.02              | 42.42           |
| 1.118           | 14.31      | 50.13               | 0.0            | 8.61           | 179.27                      | 0.98              | 42.43           |
| 1.138           | 14.31      | 50.13               | 0.88           | 8.62           | 223.52                      | 0.99              | 42.43           |
| 1.159           | 14.31      | 50.13               | 0.19           | 8.63           | 256.93                      | 1.01              | 42.42           |
| 1.184           | 14.31      | 50.13               | 2.71           | 8.63           | 143.5                       | 1.01              | 42.42           |
| 1.212           | 14.31      | 50.14               | 2.02           | 8.63           | 157.08                      | 1.01              | 42.43           |
| 1.238           | 14.31      | 50.14               | 4.84           | 8.63           | 191.73                      | 1.01              | 42.43           |
| 1.261           | 14.32      | 50.14               | 0.3            | 8.63           | 138.28                      | 0.99              | 42.43           |
| 1.28            | 14.32      | 50.14               | 1.11           | 8.62           | 278.45                      | 0.97              | 42.43           |
| 1.3             | 14.32      | 50.14               | 0.0            | 8.61           | 146.09                      | 1.0               | 42.43           |
| 1.325           | 14.32      | 50.14               | 0.42           | 8.6            | 136.69                      | 1.01              | 42.43           |
| 1.352           | 14.32      | 50.14               | 4.46           | 8.6            | 126.56                      | 1.02              | 42.42           |
| 1.377           | 14.32      | 50.14               | 0.27           | 8.6            | 137.45                      | 1.06              | 42.42           |
| 1.397           | 14.32      | 50.14               | 0.19           | 8.61           | 135.68                      | 1.04              | 42.43           |
| 1.417           | 14.32      | 50.14               | 0.27           | 8.62           | 139.7                       | 0.99              | 42.43           |
| 1.439           | 14.32      | 50.14               | 2.44           | 8.63           | 143.9                       | 0.98              | 42.43           |
| 1.466           | 14.32      | 50.13               | 1.07           | 8.63           | 146.16                      | 1.03              | 42.42           |
| 1.496           | 14.31      | 50.13               | 0.88           | 8.64           | 132.23                      | 1.04              | 42.42           |
| 1.519           | 14.31      | 50.13               | 1.56           | 8.63           | 206.63                      | 1.03              | 42.42           |
| 1.537           | 14.31      | 50.13               | 0.53           | 8.62           | 132.35                      | 1.02              | 42.42           |
| 1.556           | 14.31      | 50.13               | 0.65           | 8.61           | 108.99                      | 1.04              | 42.42           |
| 1.582           | 14.31      | 50.13               | 0.95           | 8.6            | 140.22                      | 1.02              | 42.42           |
| 1.614           | 14.31      | 50.13               | 0.53           | 8.6            | 139.7                       | 1.06              | 42.43           |
| 1.644           | 14.31      | 50.13               | 0.11           | 8.59           | 134.3                       | 1.04              | 42.42           |
| 1.665           | 14.31      | 50.13               | 0.46           | 8.59           | 143.84                      | 1.05              | 42.43           |
| 1.683           | 14.31      | 50.13               | 0.88           | 8.58           | 150.56                      | 1.05              | 42.43           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.706 | 14.31 | 50.13 | 0.42 | 8.59 | 119.33 | 1.02 | 42.43 |
| 1.735 | 14.31 | 50.14 | 0.88 | 8.6  | 257.17 | 1.08 | 42.43 |
| 1.762 | 14.31 | 50.15 | 0.61 | 8.61 | 105.48 | 1.06 | 42.44 |
| 1.786 | 14.32 | 50.14 | 0.53 | 8.62 | 191.82 | 1.08 | 42.43 |
| 1.802 | 14.32 | 50.14 | 0.72 | 8.62 | 127.95 | 1.05 | 42.43 |
| 1.812 | 14.32 | 50.14 | 0.69 | 8.63 | 99.43  | 1.03 | 42.43 |
| 1.818 | 14.32 | 50.14 | 0.65 | 8.63 | 161.7  | 1.02 | 42.43 |
| 1.821 | 14.32 | 50.15 | 0.53 | 8.62 | 128.22 | 1.08 | 42.43 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.8       | 49.68               | 0.0            | 8.56           | 82.74                       | 0.88                           | 42.56           |
| <b>PROF (metros)</b> | 0.861      | 2.018               | 0.728          | 5.279          | 5.262                       | 0.861                          | 0.753           |
| <b>MÁXIMO</b>        | 14.09      | 14.09               | 1.18           | 9.19           | 611.2                       | 1.26                           | 43.3            |
| <b>PROF (metros)</b> | 3.562      | 3.562               | 5.229          | 3.616          | 1.946                       | 3.81                           | 5.276           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD N01 - Punto 006 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.81      | 49.69               | 0.62           | 8.62           | 361.48                      | 0.93              | 42.57           |
| 1 - 2m              | 13.8       | 49.69               | 0.7            | 8.61           | 260.76                      | 0.96              | 42.57           |
| 2 - 3m              | 13.84      | 49.85               | 0.7            | 8.68           | 194.19                      | 1.06              | 42.68           |
| 3 - 4m              | 14.04      | 50.62               | 0.71           | 9.01           | 143.11                      | 1.17              | 43.19           |
| 4 - 5m              | 14.0       | 50.67               | 0.7            | 8.71           | 103.87                      | 1.13              | 43.29           |
| 5 - 6m              | 14.0       | 50.67               | 0.81           | 8.6            | 91.08                       | 1.06              | 43.29           |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

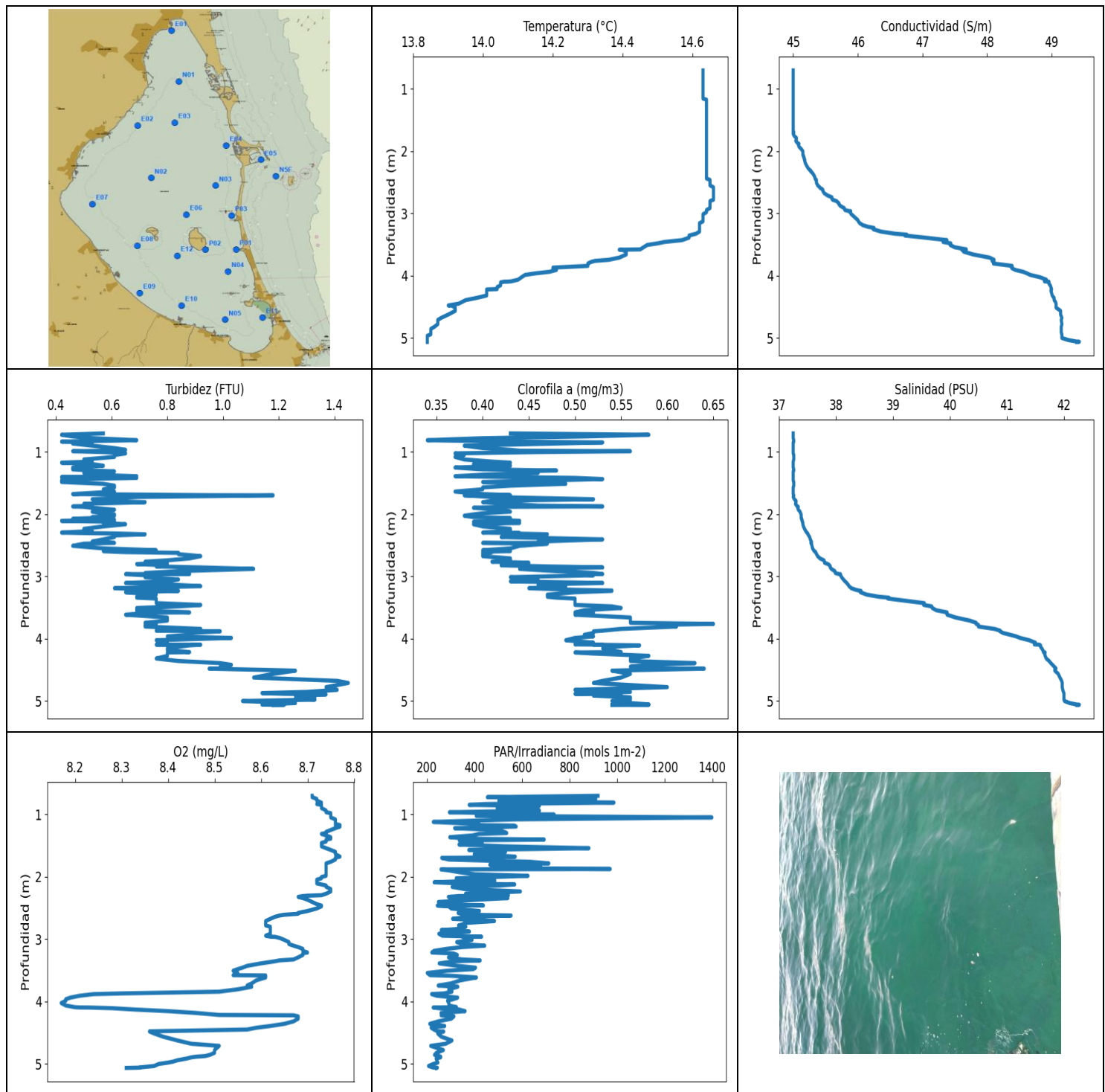
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.706           | 13.81      | 49.7                | 0.95           | 8.59           | 523.05                      | 0.95              | 42.57           |
| 0.728           | 13.81      | 49.7                | 0.0            | 8.6            | 325.61                      | 0.92              | 42.57           |
| 0.753           | 13.81      | 49.7                | 0.76           | 8.61           | 334.01                      | 0.94              | 42.56           |
| 0.787           | 13.81      | 49.69               | 0.53           | 8.63           | 351.41                      | 0.92              | 42.56           |
| 0.82            | 13.81      | 49.69               | 0.61           | 8.63           | 283.73                      | 0.92              | 42.57           |
| 0.843           | 13.81      | 49.69               | 0.5            | 8.63           | 427.93                      | 0.95              | 42.57           |
| 0.861           | 13.8       | 49.69               | 0.72           | 8.63           | 168.04                      | 0.88              | 42.57           |
| 0.876           | 13.8       | 49.69               | 0.08           | 8.63           | 565.54                      | 0.95              | 42.57           |
| 0.893           | 13.8       | 49.69               | 0.69           | 8.63           | 273.59                      | 0.9               | 42.57           |
| 0.915           | 13.8       | 49.69               | 0.61           | 8.63           | 258.37                      | 0.92              | 42.57           |
| 0.947           | 13.8       | 49.69               | 0.65           | 8.62           | 196.04                      | 0.9               | 42.57           |
| 0.985           | 13.8       | 49.69               | 0.72           | 8.62           | 594.57                      | 0.95              | 42.57           |
| 1.014           | 13.8       | 49.69               | 0.69           | 8.61           | 161.55                      | 0.91              | 42.57           |
| 1.035           | 13.8       | 49.69               | 0.38           | 8.6            | 187.21                      | 0.92              | 42.57           |
| 1.052           | 13.8       | 49.69               | 0.76           | 8.59           | 347.52                      | 0.94              | 42.57           |
| 1.074           | 13.8       | 49.69               | 0.65           | 8.59           | 249.65                      | 0.97              | 42.57           |
| 1.097           | 13.8       | 49.69               | 0.76           | 8.59           | 572.13                      | 0.93              | 42.57           |
| 1.12            | 13.8       | 49.69               | 0.65           | 8.59           | 189.43                      | 0.91              | 42.57           |
| 1.145           | 13.8       | 49.7                | 0.53           | 8.6            | 341.53                      | 0.95              | 42.57           |
| 1.172           | 13.81      | 49.7                | 0.65           | 8.61           | 546.21                      | 0.96              | 42.57           |
| 1.201           | 13.81      | 49.7                | 0.65           | 8.62           | 286.37                      | 0.92              | 42.57           |
| 1.229           | 13.81      | 49.7                | 0.69           | 8.62           | 307.42                      | 0.95              | 42.57           |
| 1.246           | 13.81      | 49.7                | 0.8            | 8.61           | 236.15                      | 0.98              | 42.57           |
| 1.257           | 13.81      | 49.7                | 0.72           | 8.59           | 328.33                      | 0.94              | 42.57           |
| 1.27            | 13.81      | 49.7                | 0.65           | 8.59           | 220.85                      | 0.94              | 42.57           |
| 1.298           | 13.81      | 49.7                | 0.69           | 8.58           | 322.15                      | 0.95              | 42.57           |
| 1.339           | 13.81      | 49.7                | 0.65           | 8.58           | 375.75                      | 0.97              | 42.57           |
| 1.374           | 13.81      | 49.7                | 0.76           | 8.59           | 187.51                      | 0.95              | 42.57           |
| 1.395           | 13.81      | 49.69               | 0.61           | 8.59           | 228.98                      | 0.92              | 42.57           |
| 1.408           | 13.81      | 49.69               | 0.61           | 8.6            | 199.71                      | 0.95              | 42.57           |
| 1.427           | 13.81      | 49.69               | 0.72           | 8.6            | 282.28                      | 0.95              | 42.57           |
| 1.453           | 13.81      | 49.69               | 0.65           | 8.61           | 200.78                      | 0.97              | 42.57           |
| 1.477           | 13.8       | 49.69               | 0.8            | 8.62           | 236.04                      | 0.94              | 42.57           |
| 1.499           | 13.8       | 49.69               | 0.57           | 8.62           | 151.64                      | 0.93              | 42.57           |
| 1.523           | 13.8       | 49.69               | 0.69           | 8.62           | 222.08                      | 0.92              | 42.57           |
| 1.545           | 13.8       | 49.69               | 0.76           | 8.62           | 224.98                      | 0.95              | 42.57           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.573 | 13.8  | 49.69 | 0.65 | 8.63 | 183.04 | 0.95 | 42.57 |
| 1.604 | 13.81 | 49.69 | 0.8  | 8.64 | 158.03 | 0.96 | 42.57 |
| 1.625 | 13.81 | 49.69 | 0.69 | 8.64 | 272.89 | 1.02 | 42.57 |
| 1.638 | 13.81 | 49.69 | 0.84 | 8.63 | 301.84 | 0.98 | 42.57 |
| 1.655 | 13.81 | 49.69 | 0.8  | 8.63 | 192.8  | 1.0  | 42.57 |
| 1.687 | 13.8  | 49.69 | 0.69 | 8.62 | 142.51 | 0.99 | 42.56 |
| 1.719 | 13.8  | 49.69 | 0.65 | 8.62 | 200.83 | 0.99 | 42.56 |
| 1.739 | 13.8  | 49.69 | 0.72 | 8.61 | 260.47 | 0.98 | 42.57 |
| 1.753 | 13.8  | 49.69 | 0.8  | 8.6  | 236.36 | 1.0  | 42.57 |
| 1.776 | 13.8  | 49.69 | 0.76 | 8.6  | 163.01 | 1.01 | 42.57 |
| 1.811 | 13.8  | 49.69 | 0.84 | 8.6  | 429.22 | 0.99 | 42.57 |
| 1.837 | 13.8  | 49.69 | 0.72 | 8.6  | 123.84 | 0.97 | 42.57 |
| 1.853 | 13.8  | 49.69 | 0.69 | 8.61 | 156.28 | 0.95 | 42.57 |
| 1.872 | 13.8  | 49.69 | 0.72 | 8.61 | 302.68 | 0.98 | 42.57 |
| 1.904 | 13.8  | 49.69 | 0.72 | 8.61 | 173.42 | 0.96 | 42.57 |
| 1.925 | 13.8  | 49.69 | 0.69 | 8.62 | 246.72 | 0.99 | 42.56 |
| 1.931 | 13.8  | 49.69 | 0.65 | 8.62 | 299.19 | 0.98 | 42.56 |
| 1.946 | 13.8  | 49.69 | 0.84 | 8.62 | 611.2  | 0.96 | 42.56 |
| 1.981 | 13.8  | 49.69 | 0.76 | 8.63 | 151.99 | 1.0  | 42.56 |
| 2.018 | 13.8  | 49.68 | 0.72 | 8.63 | 243.65 | 1.05 | 42.56 |
| 2.036 | 13.8  | 49.68 | 0.76 | 8.63 | 167.26 | 1.01 | 42.56 |
| 2.051 | 13.8  | 49.68 | 0.69 | 8.64 | 167.07 | 0.98 | 42.56 |
| 2.072 | 13.8  | 49.68 | 0.8  | 8.64 | 165.49 | 1.01 | 42.56 |
| 2.095 | 13.8  | 49.68 | 0.76 | 8.64 | 210.6  | 1.0  | 42.56 |
| 2.111 | 13.8  | 49.68 | 0.76 | 8.63 | 139.47 | 1.05 | 42.56 |
| 2.126 | 13.8  | 49.68 | 0.72 | 8.63 | 203.45 | 1.03 | 42.57 |
| 2.149 | 13.8  | 49.68 | 0.65 | 8.63 | 212.21 | 1.07 | 42.57 |
| 2.182 | 13.8  | 49.68 | 0.65 | 8.62 | 324.85 | 1.03 | 42.57 |
| 2.215 | 13.8  | 49.68 | 0.61 | 8.62 | 335.72 | 1.08 | 42.57 |
| 2.233 | 13.8  | 49.68 | 0.61 | 8.62 | 164.95 | 1.08 | 42.56 |
| 2.234 | 13.8  | 49.68 | 0.57 | 8.62 | 162.83 | 1.05 | 42.56 |
| 2.239 | 13.8  | 49.68 | 0.8  | 8.62 | 208.36 | 1.04 | 42.56 |
| 2.266 | 13.8  | 49.68 | 0.69 | 8.62 | 262.11 | 1.03 | 42.56 |
| 2.309 | 13.8  | 49.7  | 0.69 | 8.62 | 199.39 | 1.03 | 42.58 |
| 2.344 | 13.8  | 49.74 | 0.76 | 8.62 | 137.1  | 1.08 | 42.62 |
| 2.358 | 13.81 | 49.78 | 0.8  | 8.62 | 290.99 | 1.08 | 42.64 |
| 2.374 | 13.82 | 49.78 | 0.84 | 8.63 | 339.56 | 1.03 | 42.64 |
| 2.401 | 13.82 | 49.79 | 0.72 | 8.64 | 143.74 | 1.04 | 42.64 |
| 2.421 | 13.82 | 49.79 | 0.84 | 8.64 | 111.49 | 1.03 | 42.64 |
| 2.434 | 13.83 | 49.81 | 0.8  | 8.65 | 155.41 | 1.06 | 42.65 |
| 2.455 | 13.83 | 49.81 | 0.76 | 8.67 | 251.57 | 1.03 | 42.65 |
| 2.496 | 13.83 | 49.83 | 0.61 | 8.68 | 212.46 | 1.03 | 42.67 |
| 2.534 | 13.84 | 49.85 | 0.72 | 8.69 | 126.5  | 1.08 | 42.68 |
| 2.546 | 13.84 | 49.86 | 0.65 | 8.72 | 265.71 | 1.06 | 42.68 |
| 2.554 | 13.84 | 49.86 | 0.8  | 8.72 | 169.29 | 1.08 | 42.68 |
| 2.585 | 13.85 | 49.9  | 0.69 | 8.72 | 168.74 | 1.06 | 42.72 |
| 2.621 | 13.85 | 49.96 | 0.53 | 8.71 | 209.92 | 1.08 | 42.77 |
| 2.649 | 13.86 | 49.98 | 0.5  | 8.69 | 165.49 | 1.04 | 42.78 |
| 2.661 | 13.87 | 49.99 | 0.65 | 8.69 | 144.27 | 1.1  | 42.77 |
| 2.667 | 13.88 | 49.99 | 0.65 | 8.7  | 116.27 | 1.1  | 42.77 |
| 2.686 | 13.88 | 49.98 | 0.65 | 8.7  | 143.57 | 1.11 | 42.76 |
| 2.726 | 13.88 | 50.01 | 0.88 | 8.72 | 147.28 | 1.07 | 42.79 |
| 2.763 | 13.88 | 50.02 | 0.84 | 8.74 | 218.1  | 1.08 | 42.8  |
| 2.767 | 13.89 | 50.05 | 0.69 | 8.77 | 194.86 | 1.14 | 42.82 |
| 2.782 | 13.9  | 50.05 | 0.69 | 8.78 | 279.48 | 1.07 | 42.81 |
| 2.83  | 13.9  | 50.11 | 0.69 | 8.79 | 192.89 | 1.09 | 42.86 |
| 2.863 | 13.92 | 50.11 | 0.57 | 8.8  | 117.71 | 1.08 | 42.84 |
| 2.897 | 13.92 | 50.11 | 0.65 | 8.8  | 160.21 | 1.16 | 42.84 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.951 | 13.95 | 50.19 | 0.57 | 8.79 | 150.1  | 1.18 | 42.89 |
| 2.986 | 13.94 | 50.22 | 0.69 | 8.79 | 181.86 | 1.13 | 42.92 |
| 3.05  | 13.95 | 50.39 | 0.61 | 8.79 | 127.53 | 1.13 | 43.08 |
| 3.095 | 13.97 | 50.42 | 0.84 | 8.8  | 156.83 | 1.11 | 43.09 |
| 3.102 | 14.0  | 50.41 | 0.8  | 8.82 | 170.35 | 1.13 | 43.04 |
| 3.109 | 14.0  | 50.41 | 0.72 | 8.84 | 160.32 | 1.08 | 43.04 |
| 3.137 | 14.0  | 50.41 | 0.72 | 8.85 | 133.55 | 1.17 | 43.05 |
| 3.175 | 14.0  | 50.45 | 0.69 | 8.87 | 193.38 | 1.2  | 43.09 |
| 3.205 | 14.0  | 50.48 | 0.76 | 8.88 | 209.82 | 1.14 | 43.1  |
| 3.218 | 14.01 | 50.52 | 0.72 | 8.89 | 202.46 | 1.12 | 43.13 |
| 3.231 | 14.02 | 50.52 | 0.8  | 8.91 | 121.05 | 1.11 | 43.12 |
| 3.261 | 14.03 | 50.53 | 0.76 | 8.94 | 181.4  | 1.21 | 43.12 |
| 3.299 | 14.03 | 50.56 | 0.72 | 8.96 | 198.97 | 1.21 | 43.15 |
| 3.324 | 14.04 | 50.59 | 0.76 | 8.98 | 153.62 | 1.18 | 43.17 |
| 3.33  | 14.05 | 50.6  | 0.69 | 9.0  | 152.98 | 1.14 | 43.17 |
| 3.336 | 14.05 | 50.6  | 0.69 | 9.02 | 141.92 | 1.16 | 43.16 |
| 3.365 | 14.06 | 50.61 | 0.61 | 9.03 | 137.93 | 1.18 | 43.17 |
| 3.408 | 14.06 | 50.63 | 0.72 | 9.04 | 130.8  | 1.14 | 43.19 |
| 3.437 | 14.06 | 50.65 | 0.61 | 9.04 | 141.75 | 1.14 | 43.2  |
| 3.446 | 14.07 | 50.67 | 0.57 | 9.04 | 148.48 | 1.14 | 43.21 |
| 3.451 | 14.08 | 50.67 | 0.88 | 9.04 | 142.84 | 1.13 | 43.21 |
| 3.47  | 14.08 | 50.67 | 0.72 | 9.06 | 157.19 | 1.24 | 43.2  |
| 3.502 | 14.08 | 50.68 | 0.69 | 9.08 | 153.73 | 1.12 | 43.2  |
| 3.537 | 14.08 | 50.68 | 0.61 | 9.1  | 116.97 | 1.24 | 43.21 |
| 3.562 | 14.09 | 50.69 | 0.72 | 9.12 | 127.74 | 1.16 | 43.22 |
| 3.578 | 14.09 | 50.69 | 0.61 | 9.14 | 145.51 | 1.13 | 43.22 |
| 3.595 | 14.08 | 50.69 | 0.69 | 9.17 | 160.95 | 1.17 | 43.22 |
| 3.616 | 14.08 | 50.69 | 0.76 | 9.19 | 116.38 | 1.23 | 43.22 |
| 3.632 | 14.08 | 50.69 | 0.65 | 9.18 | 126.53 | 1.2  | 43.23 |
| 3.645 | 14.07 | 50.69 | 0.76 | 9.16 | 122.01 | 1.2  | 43.23 |
| 3.662 | 14.07 | 50.69 | 0.69 | 9.14 | 120.1  | 1.22 | 43.23 |
| 3.693 | 14.07 | 50.69 | 0.72 | 9.12 | 123.61 | 1.17 | 43.24 |
| 3.732 | 14.06 | 50.69 | 0.88 | 9.1  | 130.31 | 1.22 | 43.24 |
| 3.759 | 14.06 | 50.69 | 0.69 | 9.11 | 144.57 | 1.17 | 43.25 |
| 3.768 | 14.05 | 50.69 | 0.61 | 9.07 | 117.62 | 1.21 | 43.25 |
| 3.769 | 14.05 | 50.68 | 0.72 | 9.07 | 140.77 | 1.19 | 43.25 |
| 3.782 | 14.04 | 50.69 | 0.72 | 9.05 | 161.06 | 1.21 | 43.26 |
| 3.81  | 14.04 | 50.69 | 0.65 | 9.03 | 115.84 | 1.26 | 43.26 |
| 3.834 | 14.04 | 50.68 | 0.65 | 9.01 | 111.96 | 1.16 | 43.26 |
| 3.85  | 14.04 | 50.68 | 0.88 | 8.99 | 125.39 | 1.2  | 43.26 |
| 3.874 | 14.03 | 50.68 | 0.84 | 8.98 | 157.3  | 1.16 | 43.26 |
| 3.909 | 14.03 | 50.68 | 0.72 | 8.96 | 123.18 | 1.13 | 43.26 |
| 3.92  | 14.03 | 50.67 | 0.57 | 8.94 | 99.48  | 1.13 | 43.26 |
| 3.924 | 14.02 | 50.67 | 0.61 | 8.94 | 113.24 | 1.11 | 43.27 |
| 3.961 | 14.02 | 50.67 | 0.76 | 8.92 | 136.12 | 1.19 | 43.27 |
| 4.007 | 14.02 | 50.67 | 0.72 | 8.92 | 123.92 | 1.11 | 43.27 |
| 4.03  | 14.01 | 50.67 | 0.69 | 8.91 | 106.96 | 1.15 | 43.27 |
| 4.032 | 14.01 | 50.67 | 0.8  | 8.91 | 151.47 | 1.13 | 43.28 |
| 4.05  | 14.01 | 50.67 | 0.69 | 8.91 | 119.77 | 1.15 | 43.28 |
| 4.08  | 14.01 | 50.66 | 0.76 | 8.91 | 101.24 | 1.17 | 43.28 |
| 4.103 | 14.01 | 50.66 | 0.72 | 8.89 | 98.19  | 1.17 | 43.28 |
| 4.122 | 14.0  | 50.66 | 0.65 | 8.87 | 108.28 | 1.11 | 43.28 |
| 4.145 | 14.0  | 50.66 | 0.76 | 8.84 | 111.8  | 1.21 | 43.28 |
| 4.17  | 14.0  | 50.66 | 0.76 | 8.82 | 97.33  | 1.16 | 43.28 |
| 4.19  | 14.0  | 50.66 | 0.57 | 8.81 | 107.68 | 1.19 | 43.28 |
| 4.208 | 14.0  | 50.66 | 0.69 | 8.8  | 116.16 | 1.13 | 43.28 |
| 4.225 | 14.0  | 50.66 | 0.72 | 8.8  | 118.12 | 1.16 | 43.29 |
| 4.241 | 14.0  | 50.67 | 0.69 | 8.8  | 99.71  | 1.14 | 43.29 |

|       |      |       |      |      |        |      |       |
|-------|------|-------|------|------|--------|------|-------|
| 4.26  | 14.0 | 50.67 | 0.88 | 8.8  | 108.59 | 1.2  | 43.29 |
| 4.283 | 14.0 | 50.67 | 0.76 | 8.79 | 103.4  | 1.19 | 43.29 |
| 4.303 | 14.0 | 50.67 | 0.69 | 8.78 | 95.08  | 1.17 | 43.29 |
| 4.322 | 14.0 | 50.67 | 0.76 | 8.76 | 95.74  | 1.11 | 43.29 |
| 4.34  | 14.0 | 50.67 | 0.61 | 8.74 | 101.88 | 1.11 | 43.29 |
| 4.358 | 14.0 | 50.67 | 0.76 | 8.72 | 102.0  | 1.1  | 43.29 |
| 4.378 | 14.0 | 50.67 | 0.69 | 8.7  | 96.03  | 1.24 | 43.29 |
| 4.409 | 14.0 | 50.67 | 0.65 | 8.68 | 99.78  | 1.15 | 43.29 |
| 4.438 | 14.0 | 50.67 | 0.69 | 8.67 | 128.01 | 1.19 | 43.29 |
| 4.445 | 14.0 | 50.67 | 0.65 | 8.64 | 99.71  | 1.12 | 43.29 |
| 4.46  | 14.0 | 50.67 | 0.88 | 8.63 | 105.22 | 1.17 | 43.29 |
| 4.503 | 14.0 | 50.67 | 0.76 | 8.62 | 107.33 | 1.11 | 43.29 |
| 4.541 | 14.0 | 50.67 | 0.69 | 8.62 | 102.73 | 1.11 | 43.29 |
| 4.543 | 14.0 | 50.67 | 0.72 | 8.62 | 99.87  | 1.07 | 43.29 |
| 4.559 | 14.0 | 50.67 | 0.76 | 8.61 | 110.13 | 1.06 | 43.29 |
| 4.598 | 14.0 | 50.67 | 0.72 | 8.61 | 115.06 | 1.11 | 43.29 |
| 4.632 | 14.0 | 50.67 | 0.69 | 8.6  | 96.39  | 1.07 | 43.29 |
| 4.644 | 14.0 | 50.67 | 0.57 | 8.59 | 104.61 | 1.12 | 43.29 |
| 4.66  | 14.0 | 50.67 | 0.65 | 8.6  | 107.36 | 1.14 | 43.29 |
| 4.691 | 14.0 | 50.67 | 0.72 | 8.61 | 98.86  | 1.11 | 43.29 |
| 4.722 | 14.0 | 50.67 | 0.5  | 8.61 | 99.18  | 1.07 | 43.29 |
| 4.735 | 14.0 | 50.67 | 0.72 | 8.62 | 99.55  | 1.08 | 43.29 |
| 4.751 | 14.0 | 50.67 | 0.65 | 8.61 | 98.49  | 1.15 | 43.29 |
| 4.792 | 14.0 | 50.67 | 0.61 | 8.61 | 101.64 | 1.08 | 43.29 |
| 4.829 | 14.0 | 50.67 | 0.69 | 8.6  | 100.5  | 1.11 | 43.29 |
| 4.837 | 14.0 | 50.67 | 0.76 | 8.6  | 94.22  | 1.05 | 43.29 |
| 4.851 | 14.0 | 50.67 | 0.65 | 8.61 | 90.48  | 1.05 | 43.29 |
| 4.875 | 14.0 | 50.67 | 0.69 | 8.63 | 94.86  | 1.1  | 43.29 |
| 4.9   | 14.0 | 50.67 | 0.65 | 8.64 | 96.17  | 1.1  | 43.29 |
| 4.921 | 14.0 | 50.67 | 0.69 | 8.66 | 94.36  | 1.09 | 43.29 |
| 4.941 | 14.0 | 50.67 | 0.72 | 8.66 | 87.94  | 1.1  | 43.29 |
| 4.967 | 14.0 | 50.67 | 0.76 | 8.67 | 92.15  | 1.08 | 43.29 |
| 4.992 | 14.0 | 50.67 | 0.72 | 8.67 | 90.12  | 1.08 | 43.29 |
| 5.003 | 14.0 | 50.67 | 0.65 | 8.64 | 86.56  | 1.07 | 43.29 |
| 5.016 | 14.0 | 50.67 | 0.57 | 8.62 | 89.64  | 1.04 | 43.29 |
| 5.046 | 14.0 | 50.67 | 0.76 | 8.61 | 89.94  | 1.05 | 43.29 |
| 5.077 | 14.0 | 50.67 | 0.69 | 8.6  | 91.51  | 1.05 | 43.29 |
| 5.099 | 14.0 | 50.67 | 0.72 | 8.6  | 90.06  | 1.13 | 43.29 |
| 5.115 | 14.0 | 50.67 | 0.8  | 8.6  | 104.66 | 1.09 | 43.29 |
| 5.129 | 14.0 | 50.67 | 0.72 | 8.6  | 94.01  | 1.05 | 43.29 |
| 5.139 | 14.0 | 50.67 | 0.92 | 8.6  | 97.72  | 1.09 | 43.29 |
| 5.154 | 14.0 | 50.67 | 0.72 | 8.61 | 91.85  | 1.08 | 43.29 |
| 5.176 | 14.0 | 50.67 | 0.69 | 8.61 | 87.65  | 1.09 | 43.29 |
| 5.2   | 14.0 | 50.67 | 0.92 | 8.61 | 89.64  | 1.11 | 43.29 |
| 5.216 | 14.0 | 50.68 | 1.03 | 8.61 | 92.3   | 1.09 | 43.29 |
| 5.229 | 14.0 | 50.68 | 1.18 | 8.6  | 95.77  | 1.11 | 43.29 |
| 5.246 | 14.0 | 50.68 | 0.92 | 8.6  | 89.56  | 1.17 | 43.29 |
| 5.262 | 14.0 | 50.68 | 0.69 | 8.59 | 82.74  | 1.01 | 43.29 |
| 5.27  | 14.0 | 50.68 | 0.84 | 8.59 | 85.58  | 1.04 | 43.29 |
| 5.274 | 14.0 | 50.68 | 1.14 | 8.58 | 94.38  | 1.01 | 43.29 |
| 5.276 | 14.0 | 50.68 | 0.88 | 8.58 | 89.23  | 0.98 | 43.3  |
| 5.278 | 14.0 | 50.68 | 0.84 | 8.57 | 86.2   | 1.01 | 43.29 |
| 5.279 | 14.0 | 50.68 | 0.84 | 8.56 | 88.06  | 1.05 | 43.29 |
| 5.281 | 14.0 | 50.68 | 0.57 | 8.56 | 95.59  | 0.98 | 43.29 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.84      | 45.0                | 0.42           | 8.17           | 201.62                      | 0.34                           | 37.25           |
| <b>PROF (metros)</b> | 4.969      | 0.704               | 0.726          | 4.028          | 3.546                       | 0.813                          | 0.704           |
| <b>MÁXIMO</b>        | 14.66      | 14.66               | 1.45           | 8.77           | 1397.8                      | 0.65                           | 42.27           |
| <b>PROF (metros)</b> | 2.582      | 5.066               | 4.715          | 1.174          | 1.051                       | 3.766                          | 5.066           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E05 - Punto 007 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 14.63      | 45.0                | 0.53           | 8.73           | 590.01                      | 0.45              | 37.25           |
| 1 - 2m              | 14.64      | 45.02               | 0.57           | 8.75           | 497.76                      | 0.42              | 37.27           |
| 2 - 3m              | 14.65      | 45.42               | 0.66           | 8.68           | 375.79                      | 0.44              | 37.63           |
| 3 - 4m              | 14.46      | 47.25               | 0.78           | 8.56           | 309.18                      | 0.51              | 39.54           |
| 4 - 5m              | 13.95      | 49.06               | 1.05           | 8.44           | 263.18                      | 0.55              | 41.79           |
| 5 - 6m              | 13.84      | 49.33               | 1.17           | 8.34           | 228.57                      | 0.56              | 42.18           |

**OBSERVACIONES GENERALES**

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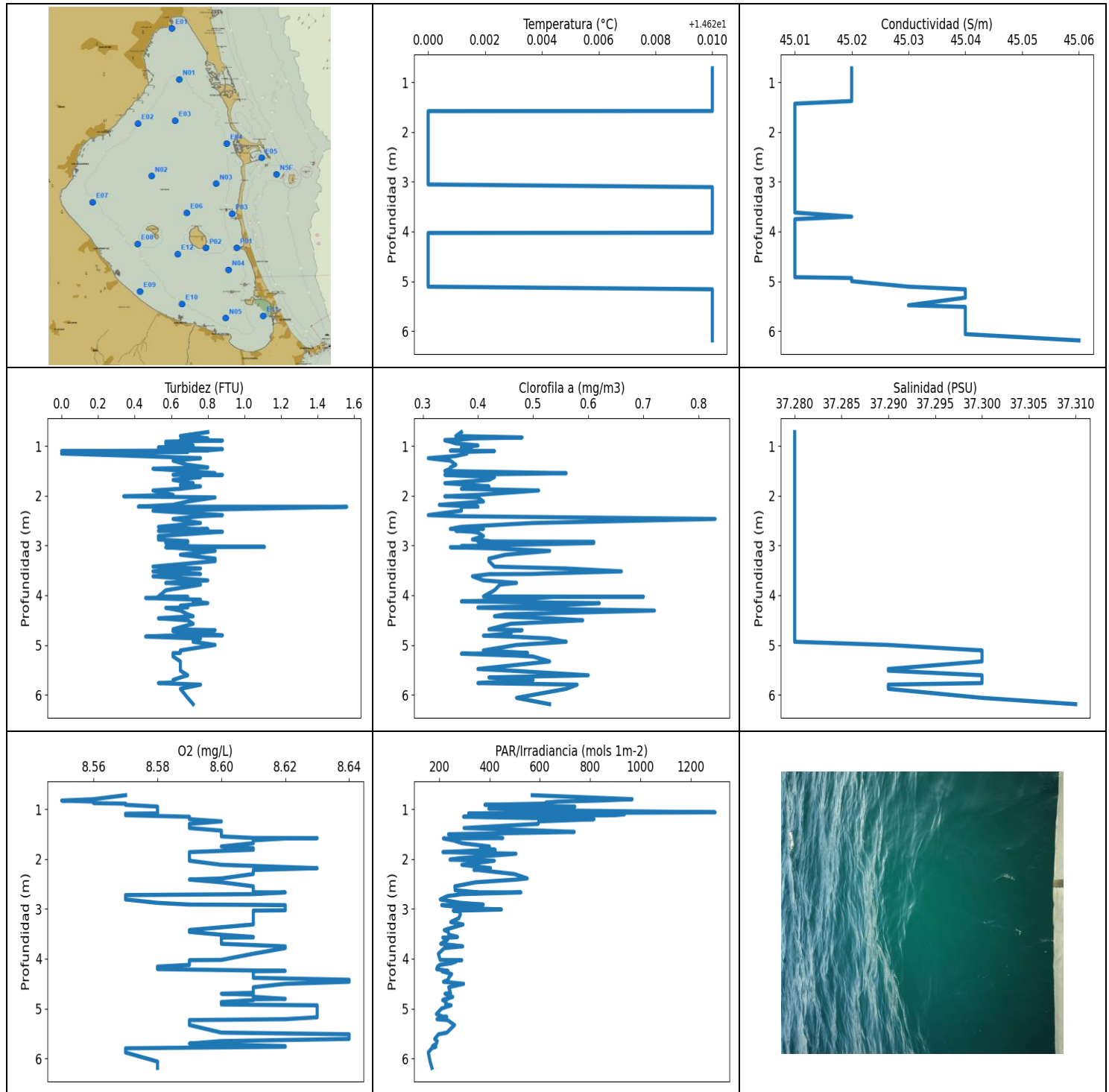
**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.704           | 14.63      | 45.0                | 0.57           | 8.71           | 919.27                      | 0.43              | 37.25           |
| 0.726           | 14.63      | 45.0                | 0.42           | 8.71           | 454.19                      | 0.58              | 37.25           |
| 0.753           | 14.63      | 45.0                | 0.46           | 8.72           | 909.73                      | 0.51              | 37.25           |
| 0.781           | 14.63      | 45.0                | 0.53           | 8.72           | 502.6                       | 0.4               | 37.25           |
| 0.813           | 14.63      | 45.0                | 0.69           | 8.73           | 986.15                      | 0.34              | 37.26           |
| 0.836           | 14.63      | 45.0                | 0.42           | 8.72           | 445.43                      | 0.43              | 37.26           |
| 0.849           | 14.63      | 45.0                | 0.53           | 8.73           | 377.76                      | 0.53              | 37.25           |
| 0.867           | 14.63      | 45.0                | 0.46           | 8.73           | 672.6                       | 0.48              | 37.25           |
| 0.901           | 14.63      | 45.0                | 0.53           | 8.73           | 495.32                      | 0.38              | 37.25           |
| 0.94            | 14.63      | 45.0                | 0.61           | 8.74           | 673.06                      | 0.4               | 37.25           |
| 0.968           | 14.63      | 45.0                | 0.65           | 8.74           | 294.65                      | 0.43              | 37.25           |
| 0.982           | 14.63      | 45.0                | 0.61           | 8.75           | 485.21                      | 0.44              | 37.25           |
| 0.99            | 14.63      | 45.0                | 0.46           | 8.75           | 454.19                      | 0.56              | 37.25           |
| 1.004           | 14.63      | 45.0                | 0.57           | 8.75           | 734.86                      | 0.46              | 37.25           |
| 1.025           | 14.63      | 45.0                | 0.65           | 8.75           | 407.41                      | 0.37              | 37.25           |
| 1.051           | 14.63      | 45.0                | 0.61           | 8.75           | 1397.8                      | 0.38              | 37.26           |
| 1.082           | 14.63      | 45.0                | 0.61           | 8.76           | 572.4                       | 0.37              | 37.26           |
| 1.123           | 14.63      | 45.0                | 0.5            | 8.76           | 227.02                      | 0.38              | 37.26           |
| 1.157           | 14.63      | 45.0                | 0.53           | 8.76           | 418.7                       | 0.41              | 37.25           |
| 1.174           | 14.64      | 45.0                | 0.42           | 8.77           | 384.03                      | 0.43              | 37.25           |
| 1.181           | 14.64      | 45.0                | 0.46           | 8.76           | 567.24                      | 0.41              | 37.25           |
| 1.197           | 14.64      | 45.0                | 0.53           | 8.77           | 575.45                      | 0.39              | 37.25           |
| 1.223           | 14.64      | 45.0                | 0.57           | 8.76           | 316.75                      | 0.43              | 37.25           |
| 1.253           | 14.64      | 45.0                | 0.46           | 8.75           | 504.47                      | 0.37              | 37.25           |
| 1.282           | 14.64      | 45.0                | 0.46           | 8.74           | 525.23                      | 0.4               | 37.26           |
| 1.301           | 14.64      | 45.0                | 0.53           | 8.74           | 535.68                      | 0.48              | 37.26           |
| 1.315           | 14.64      | 45.0                | 0.61           | 8.73           | 419.0                       | 0.43              | 37.25           |
| 1.339           | 14.64      | 45.0                | 0.5            | 8.74           | 393.12                      | 0.46              | 37.25           |
| 1.368           | 14.64      | 45.0                | 0.53           | 8.75           | 296.5                       | 0.4               | 37.25           |
| 1.392           | 14.64      | 45.0                | 0.69           | 8.75           | 383.14                      | 0.37              | 37.25           |
| 1.406           | 14.64      | 45.0                | 0.42           | 8.74           | 693.01                      | 0.43              | 37.25           |
| 1.419           | 14.64      | 45.0                | 0.69           | 8.74           | 336.19                      | 0.5               | 37.25           |
| 1.438           | 14.64      | 45.0                | 0.5            | 8.74           | 393.31                      | 0.53              | 37.25           |
| 1.46            | 14.64      | 45.0                | 0.42           | 8.73           | 432.51                      | 0.47              | 37.25           |
| 1.485           | 14.64      | 45.0                | 0.42           | 8.73           | 335.1                       | 0.4               | 37.26           |
| 1.514           | 14.64      | 45.0                | 0.57           | 8.73           | 522.08                      | 0.49              | 37.26           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.544 | 14.64 | 45.0  | 0.61 | 8.74 | 881.09 | 0.43 | 37.26 |
| 1.572 | 14.64 | 45.0  | 0.61 | 8.75 | 376.19 | 0.4  | 37.25 |
| 1.602 | 14.64 | 45.0  | 0.57 | 8.76 | 530.62 | 0.4  | 37.25 |
| 1.639 | 14.64 | 45.0  | 0.61 | 8.76 | 398.91 | 0.37 | 37.25 |
| 1.679 | 14.64 | 45.0  | 0.46 | 8.77 | 571.47 | 0.4  | 37.25 |
| 1.697 | 14.64 | 45.01 | 0.95 | 8.76 | 355.67 | 0.43 | 37.26 |
| 1.699 | 14.64 | 45.0  | 1.18 | 8.76 | 262.53 | 0.38 | 37.26 |
| 1.726 | 14.64 | 45.0  | 0.69 | 8.76 | 291.86 | 0.41 | 37.25 |
| 1.762 | 14.64 | 45.02 | 0.53 | 8.75 | 633.56 | 0.52 | 37.27 |
| 1.788 | 14.64 | 45.05 | 0.57 | 8.74 | 712.56 | 0.41 | 37.3  |
| 1.809 | 14.64 | 45.05 | 0.72 | 8.74 | 464.41 | 0.4  | 37.3  |
| 1.836 | 14.64 | 45.04 | 0.5  | 8.74 | 678.86 | 0.43 | 37.29 |
| 1.865 | 14.64 | 45.06 | 0.53 | 8.74 | 489.04 | 0.46 | 37.31 |
| 1.878 | 14.64 | 45.08 | 0.46 | 8.74 | 970.5  | 0.53 | 37.33 |
| 1.884 | 14.64 | 45.09 | 0.5  | 8.74 | 259.45 | 0.42 | 37.34 |
| 1.9   | 14.64 | 45.08 | 0.53 | 8.74 | 292.61 | 0.39 | 37.33 |
| 1.93  | 14.64 | 45.09 | 0.61 | 8.74 | 337.36 | 0.42 | 37.34 |
| 1.962 | 14.64 | 45.12 | 0.53 | 8.74 | 402.99 | 0.43 | 37.37 |
| 1.987 | 14.64 | 45.14 | 0.57 | 8.74 | 625.1  | 0.4  | 37.38 |
| 2.006 | 14.64 | 45.15 | 0.61 | 8.73 | 478.84 | 0.39 | 37.39 |
| 2.027 | 14.64 | 45.15 | 0.61 | 8.73 | 323.27 | 0.38 | 37.39 |
| 2.049 | 14.64 | 45.15 | 0.53 | 8.72 | 379.69 | 0.39 | 37.39 |
| 2.065 | 14.64 | 45.15 | 0.53 | 8.72 | 485.54 | 0.43 | 37.39 |
| 2.077 | 14.64 | 45.16 | 0.46 | 8.72 | 325.98 | 0.41 | 37.4  |
| 2.091 | 14.64 | 45.16 | 0.61 | 8.72 | 230.57 | 0.41 | 37.4  |
| 2.109 | 14.64 | 45.17 | 0.42 | 8.72 | 347.28 | 0.44 | 37.41 |
| 2.125 | 14.64 | 45.17 | 0.61 | 8.73 | 569.22 | 0.39 | 37.41 |
| 2.142 | 14.64 | 45.18 | 0.57 | 8.74 | 508.93 | 0.44 | 37.42 |
| 2.164 | 14.64 | 45.18 | 0.65 | 8.74 | 306.21 | 0.39 | 37.42 |
| 2.199 | 14.64 | 45.19 | 0.57 | 8.75 | 357.32 | 0.4  | 37.43 |
| 2.238 | 14.64 | 45.21 | 0.5  | 8.75 | 592.92 | 0.43 | 37.45 |
| 2.274 | 14.64 | 45.23 | 0.53 | 8.74 | 362.83 | 0.43 | 37.47 |
| 2.298 | 14.64 | 45.25 | 0.42 | 8.73 | 542.81 | 0.4  | 37.49 |
| 2.306 | 14.64 | 45.26 | 0.5  | 8.7  | 508.46 | 0.44 | 37.5  |
| 2.312 | 14.64 | 45.27 | 0.61 | 8.69 | 334.71 | 0.43 | 37.5  |
| 2.325 | 14.64 | 45.27 | 0.72 | 8.68 | 290.38 | 0.47 | 37.51 |
| 2.344 | 14.64 | 45.29 | 0.61 | 8.69 | 540.3  | 0.45 | 37.52 |
| 2.37  | 14.64 | 45.31 | 0.61 | 8.7  | 414.46 | 0.42 | 37.54 |
| 2.407 | 14.64 | 45.33 | 0.57 | 8.71 | 248.38 | 0.53 | 37.55 |
| 2.442 | 14.64 | 45.34 | 0.53 | 8.72 | 270.12 | 0.46 | 37.57 |
| 2.463 | 14.65 | 45.35 | 0.61 | 8.73 | 437.55 | 0.47 | 37.56 |
| 2.464 | 14.65 | 45.36 | 0.61 | 8.73 | 243.82 | 0.4  | 37.57 |
| 2.477 | 14.65 | 45.36 | 0.5  | 8.73 | 291.93 | 0.47 | 37.57 |
| 2.511 | 14.65 | 45.36 | 0.46 | 8.72 | 301.84 | 0.44 | 37.58 |
| 2.552 | 14.65 | 45.38 | 0.57 | 8.7  | 420.75 | 0.43 | 37.59 |
| 2.582 | 14.66 | 45.41 | 0.76 | 8.68 | 331.39 | 0.4  | 37.61 |
| 2.596 | 14.66 | 45.42 | 0.57 | 8.68 | 343.83 | 0.43 | 37.62 |
| 2.606 | 14.66 | 45.44 | 0.61 | 8.66 | 376.36 | 0.4  | 37.64 |
| 2.612 | 14.66 | 45.45 | 0.65 | 8.65 | 378.99 | 0.41 | 37.64 |
| 2.624 | 14.66 | 45.46 | 0.84 | 8.64 | 553.99 | 0.4  | 37.65 |
| 2.645 | 14.66 | 45.46 | 0.84 | 8.63 | 383.23 | 0.4  | 37.66 |
| 2.677 | 14.66 | 45.48 | 0.92 | 8.62 | 308.2  | 0.4  | 37.68 |
| 2.713 | 14.66 | 45.53 | 0.88 | 8.61 | 483.97 | 0.43 | 37.72 |
| 2.744 | 14.66 | 45.6  | 0.8  | 8.61 | 359.9  | 0.43 | 37.79 |
| 2.766 | 14.66 | 45.6  | 0.72 | 8.61 | 350.19 | 0.41 | 37.8  |
| 2.783 | 14.66 | 45.61 | 0.8  | 8.61 | 333.24 | 0.45 | 37.8  |
| 2.804 | 14.65 | 45.67 | 0.69 | 8.62 | 363.92 | 0.43 | 37.86 |
| 2.824 | 14.65 | 45.69 | 0.8  | 8.62 | 338.53 | 0.42 | 37.89 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.842 | 14.65 | 45.71 | 0.76 | 8.62 | 325.83 | 0.47 | 37.9  |
| 2.858 | 14.65 | 45.71 | 0.92 | 8.62 | 260.59 | 0.53 | 37.9  |
| 2.882 | 14.65 | 45.73 | 1.11 | 8.62 | 378.81 | 0.44 | 37.92 |
| 2.917 | 14.65 | 45.79 | 0.84 | 8.62 | 250.35 | 0.48 | 37.98 |
| 2.948 | 14.64 | 45.8  | 0.72 | 8.61 | 264.73 | 0.52 | 37.99 |
| 2.964 | 14.64 | 45.86 | 0.88 | 8.62 | 429.91 | 0.53 | 38.05 |
| 2.966 | 14.64 | 45.89 | 0.65 | 8.63 | 349.29 | 0.5  | 38.08 |
| 2.984 | 14.64 | 45.88 | 0.72 | 8.64 | 382.61 | 0.52 | 38.08 |
| 3.015 | 14.63 | 45.9  | 0.72 | 8.65 | 389.95 | 0.43 | 38.1  |
| 3.051 | 14.63 | 45.94 | 0.84 | 8.66 | 325.38 | 0.46 | 38.13 |
| 3.082 | 14.63 | 45.97 | 0.8  | 8.66 | 350.43 | 0.43 | 38.16 |
| 3.108 | 14.63 | 46.0  | 0.65 | 8.67 | 443.17 | 0.53 | 38.19 |
| 3.131 | 14.63 | 46.01 | 0.8  | 8.68 | 348.0  | 0.46 | 38.21 |
| 3.159 | 14.62 | 46.03 | 0.92 | 8.69 | 283.2  | 0.49 | 38.23 |
| 3.192 | 14.62 | 46.08 | 0.61 | 8.69 | 229.14 | 0.45 | 38.27 |
| 3.218 | 14.62 | 46.16 | 0.76 | 8.7  | 220.79 | 0.5  | 38.35 |
| 3.229 | 14.62 | 46.22 | 0.8  | 8.69 | 293.9  | 0.54 | 38.4  |
| 3.235 | 14.62 | 46.25 | 0.84 | 8.69 | 313.03 | 0.54 | 38.44 |
| 3.257 | 14.62 | 46.24 | 0.65 | 8.69 | 328.03 | 0.5  | 38.43 |
| 3.295 | 14.62 | 46.36 | 0.76 | 8.68 | 290.78 | 0.47 | 38.54 |
| 3.329 | 14.61 | 46.58 | 0.69 | 8.67 | 348.08 | 0.47 | 38.75 |
| 3.344 | 14.6  | 46.76 | 0.69 | 8.64 | 423.98 | 0.48 | 38.93 |
| 3.358 | 14.59 | 46.73 | 0.76 | 8.63 | 317.78 | 0.5  | 38.91 |
| 3.392 | 14.59 | 47.04 | 0.76 | 8.6  | 251.86 | 0.5  | 39.2  |
| 3.432 | 14.57 | 47.38 | 0.76 | 8.57 | 329.48 | 0.5  | 39.55 |
| 3.461 | 14.52 | 47.32 | 0.92 | 8.56 | 404.49 | 0.5  | 39.54 |
| 3.484 | 14.5  | 47.44 | 0.84 | 8.55 | 395.22 | 0.54 | 39.68 |
| 3.51  | 14.47 | 47.43 | 0.69 | 8.54 | 285.44 | 0.55 | 39.69 |
| 3.546 | 14.46 | 47.5  | 0.69 | 8.55 | 201.62 | 0.51 | 39.76 |
| 3.581 | 14.45 | 47.68 | 0.88 | 8.54 | 213.25 | 0.5  | 39.95 |
| 3.586 | 14.39 | 47.61 | 0.69 | 8.61 | 253.56 | 0.52 | 39.94 |
| 3.591 | 14.4  | 47.62 | 0.72 | 8.61 | 303.81 | 0.51 | 39.94 |
| 3.618 | 14.41 | 47.64 | 0.65 | 8.61 | 408.26 | 0.5  | 39.95 |
| 3.663 | 14.41 | 47.79 | 0.8  | 8.59 | 341.53 | 0.56 | 40.1  |
| 3.713 | 14.39 | 48.04 | 0.8  | 8.58 | 301.84 | 0.56 | 40.35 |
| 3.748 | 14.36 | 48.11 | 0.72 | 8.57 | 247.58 | 0.56 | 40.46 |
| 3.766 | 14.32 | 48.08 | 0.76 | 8.58 | 330.09 | 0.65 | 40.46 |
| 3.781 | 14.31 | 48.11 | 0.72 | 8.57 | 316.53 | 0.59 | 40.5  |
| 3.808 | 14.3  | 48.1  | 0.72 | 8.55 | 292.27 | 0.61 | 40.5  |
| 3.846 | 14.3  | 48.39 | 0.92 | 8.51 | 305.36 | 0.55 | 40.78 |
| 3.874 | 14.2  | 48.38 | 0.76 | 8.3  | 272.26 | 0.53 | 40.88 |
| 3.885 | 14.2  | 48.39 | 0.99 | 8.24 | 219.82 | 0.52 | 40.88 |
| 3.911 | 14.21 | 48.44 | 0.88 | 8.21 | 241.51 | 0.52 | 40.93 |
| 3.941 | 14.19 | 48.56 | 0.88 | 8.19 | 329.33 | 0.51 | 41.06 |
| 3.966 | 14.15 | 48.62 | 0.8  | 8.18 | 311.07 | 0.52 | 41.16 |
| 3.991 | 14.12 | 48.67 | 1.03 | 8.18 | 286.84 | 0.5  | 41.23 |
| 4.028 | 14.11 | 48.82 | 0.76 | 8.17 | 292.07 | 0.49 | 41.39 |
| 4.068 | 14.1  | 48.92 | 0.8  | 8.18 | 293.42 | 0.52 | 41.5  |
| 4.095 | 14.08 | 48.89 | 0.8  | 8.2  | 324.55 | 0.5  | 41.48 |
| 4.099 | 14.07 | 48.96 | 0.76 | 8.21 | 239.73 | 0.53 | 41.56 |
| 4.1   | 14.06 | 48.96 | 0.92 | 8.23 | 226.55 | 0.52 | 41.57 |
| 4.111 | 14.05 | 48.96 | 0.88 | 8.28 | 250.41 | 0.57 | 41.59 |
| 4.133 | 14.05 | 48.96 | 0.84 | 8.33 | 335.72 | 0.54 | 41.59 |
| 4.158 | 14.05 | 48.98 | 0.8  | 8.4  | 360.73 | 0.53 | 41.61 |
| 4.187 | 14.04 | 48.99 | 0.8  | 8.46 | 259.51 | 0.54 | 41.63 |
| 4.219 | 14.04 | 49.0  | 0.88 | 8.51 | 265.84 | 0.55 | 41.64 |
| 4.225 | 14.01 | 49.0  | 0.8  | 8.67 | 259.99 | 0.5  | 41.67 |
| 4.242 | 14.01 | 48.99 | 0.8  | 8.68 | 313.83 | 0.52 | 41.66 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.279 | 14.01 | 49.0  | 0.8  | 8.68 | 302.89 | 0.58 | 41.67 |
| 4.322 | 14.01 | 49.01 | 0.76 | 8.67 | 247.92 | 0.56 | 41.69 |
| 4.362 | 13.98 | 49.04 | 0.84 | 8.65 | 212.26 | 0.56 | 41.74 |
| 4.396 | 13.95 | 49.04 | 0.99 | 8.62 | 275.05 | 0.63 | 41.77 |
| 4.424 | 13.94 | 49.06 | 1.03 | 8.59 | 218.0  | 0.58 | 41.8  |
| 4.453 | 13.93 | 49.07 | 0.99 | 8.57 | 229.4  | 0.56 | 41.83 |
| 4.482 | 13.9  | 49.07 | 0.99 | 8.36 | 245.29 | 0.59 | 41.86 |
| 4.485 | 13.91 | 49.07 | 0.95 | 8.36 | 271.0  | 0.64 | 41.84 |
| 4.517 | 13.92 | 49.07 | 1.26 | 8.37 | 245.69 | 0.54 | 41.84 |
| 4.569 | 13.92 | 49.14 | 1.18 | 8.39 | 261.07 | 0.56 | 41.9  |
| 4.628 | 13.9  | 49.14 | 1.11 | 8.42 | 305.5  | 0.55 | 41.93 |
| 4.681 | 13.88 | 49.16 | 1.41 | 8.45 | 279.48 | 0.53 | 41.96 |
| 4.715 | 13.87 | 49.15 | 1.45 | 8.51 | 216.14 | 0.52 | 41.97 |
| 4.782 | 13.87 | 49.16 | 1.37 | 8.5  | 269.31 | 0.6  | 41.97 |
| 4.826 | 13.86 | 49.15 | 1.41 | 8.5  | 240.23 | 0.5  | 41.98 |
| 4.859 | 13.85 | 49.15 | 1.3  | 8.49 | 232.18 | 0.56 | 41.99 |
| 4.878 | 13.85 | 49.15 | 1.14 | 8.48 | 251.05 | 0.53 | 42.0  |
| 4.889 | 13.85 | 49.15 | 1.22 | 8.46 | 258.25 | 0.5  | 42.0  |
| 4.899 | 13.85 | 49.15 | 1.37 | 8.45 | 257.89 | 0.55 | 42.0  |
| 4.918 | 13.85 | 49.15 | 1.26 | 8.44 | 238.95 | 0.52 | 42.0  |
| 4.946 | 13.85 | 49.16 | 1.33 | 8.42 | 241.96 | 0.56 | 42.0  |
| 4.969 | 13.84 | 49.16 | 1.26 | 8.41 | 243.09 | 0.56 | 42.0  |
| 4.983 | 13.84 | 49.16 | 1.33 | 8.4  | 246.21 | 0.56 | 42.0  |
| 5.005 | 13.84 | 49.16 | 1.07 | 8.38 | 226.97 | 0.54 | 42.01 |
| 5.038 | 13.84 | 49.26 | 1.26 | 8.37 | 207.06 | 0.56 | 42.1  |
| 5.06  | 13.84 | 49.37 | 1.14 | 8.34 | 224.2  | 0.58 | 42.21 |
| 5.063 | 13.84 | 49.39 | 1.14 | 8.34 | 229.24 | 0.56 | 42.23 |
| 5.066 | 13.84 | 49.43 | 1.22 | 8.33 | 243.99 | 0.58 | 42.27 |
| 5.069 | 13.84 | 49.39 | 1.18 | 8.31 | 239.95 | 0.54 | 42.23 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 14.62      | 45.01               | 0.0            | 8.55           | 157.01                      | 0.31                           | 37.28           |
| <b>PROF (metros)</b> | 1.582      | 1.432               | 1.104          | 0.83           | 5.88                        | 1.247                          | 0.722           |
| <b>MÁXIMO</b>        | 14.63      | 14.63               | 1.56           | 8.64           | 1296.3                      | 0.83                           | 37.31           |
| <b>PROF (metros)</b> | 0.722      | 6.188               | 2.223          | 4.422          | 1.065                       | 2.467                          | 6.188           |



**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD N5F - Punto 008 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 14.63      | 45.02               | 0.71           | 8.57           | 644.39                      | 0.38              | 37.28           |
| 1 - 2m              | 14.63      | 45.01               | 0.68           | 8.6            | 502.55                      | 0.38              | 37.28           |
| 2 - 3m              | 14.62      | 45.01               | 0.69           | 8.6            | 337.11                      | 0.42              | 37.28           |
| 3 - 4m              | 14.63      | 45.01               | 0.69           | 8.61           | 263.77                      | 0.45              | 37.28           |
| 4 - 5m              | 14.62      | 45.01               | 0.68           | 8.61           | 233.82                      | 0.49              | 37.28           |
| 5 - 6m              | 14.63      | 45.04               | 0.64           | 8.61           | 200.78                      | 0.47              | 37.3            |
| 6 - 7m              | 14.63      | 45.05               | 0.7            | 8.58           | 167.86                      | 0.5               | 37.3            |

**OBSERVACIONES GENERALES**

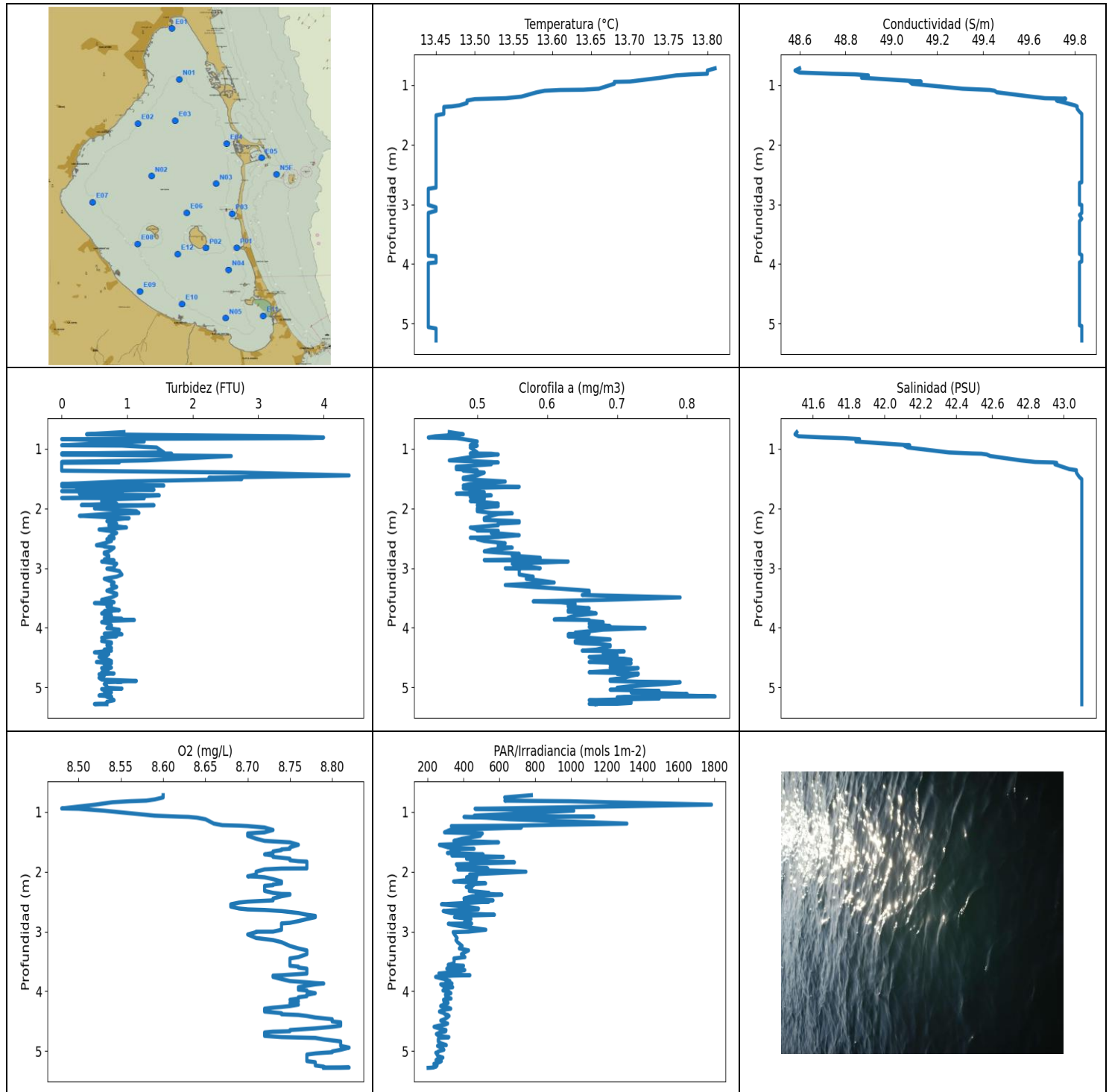
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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.722           | 14.63      | 45.02               | 0.8            | 8.57           | 569.75                      | 0.37              | 37.28           |
| 0.802           | 14.63      | 45.02               | 0.65           | 8.56           | 966.69                      | 0.36              | 37.28           |
| 0.83            | 14.63      | 45.02               | 0.76           | 8.55           | 833.23                      | 0.48              | 37.28           |
| 0.85            | 14.63      | 45.02               | 0.8            | 8.56           | 669.49                      | 0.39              | 37.28           |
| 0.871           | 14.63      | 45.02               | 0.72           | 8.56           | 623.94                      | 0.37              | 37.28           |
| 0.881           | 14.63      | 45.02               | 0.65           | 8.56           | 642.73                      | 0.34              | 37.28           |
| 0.891           | 14.63      | 45.02               | 0.88           | 8.57           | 619.18                      | 0.34              | 37.28           |
| 0.915           | 14.63      | 45.02               | 0.57           | 8.57           | 382.16                      | 0.35              | 37.28           |
| 0.95            | 14.63      | 45.02               | 0.57           | 8.58           | 738.96                      | 0.36              | 37.28           |
| 0.991           | 14.63      | 45.02               | 0.72           | 8.58           | 397.8                       | 0.4               | 37.28           |
| 1.03            | 14.63      | 45.02               | 0.53           | 8.58           | 694.78                      | 0.37              | 37.28           |
| 1.065           | 14.63      | 45.02               | 0.88           | 8.58           | 1296.3                      | 0.37              | 37.28           |
| 1.087           | 14.63      | 45.02               | 0.8            | 8.58           | 317.19                      | 0.37              | 37.28           |
| 1.093           | 14.63      | 45.02               | 0.8            | 8.57           | 813.95                      | 0.39              | 37.28           |
| 1.095           | 14.63      | 45.02               | 0.65           | 8.57           | 451.25                      | 0.35              | 37.28           |
| 1.104           | 14.63      | 45.02               | 0.0            | 8.57           | 935.82                      | 0.43              | 37.28           |
| 1.123           | 14.63      | 45.02               | 0.69           | 8.57           | 899.46                      | 0.37              | 37.28           |
| 1.154           | 14.63      | 45.02               | 0.0            | 8.59           | 296.91                      | 0.38              | 37.28           |
| 1.203           | 14.63      | 45.02               | 0.42           | 8.59           | 815.08                      | 0.36              | 37.28           |
| 1.247           | 14.63      | 45.02               | 0.76           | 8.6            | 595.95                      | 0.31              | 37.28           |
| 1.297           | 14.63      | 45.02               | 0.61           | 8.59           | 593.2                       | 0.35              | 37.28           |
| 1.38            | 14.63      | 45.02               | 0.69           | 8.59           | 299.26                      | 0.36              | 37.28           |
| 1.432           | 14.63      | 45.01               | 0.8            | 8.6            | 605.28                      | 0.35              | 37.28           |
| 1.458           | 14.63      | 45.01               | 0.5            | 8.6            | 736.74                      | 0.35              | 37.28           |
| 1.505           | 14.63      | 45.01               | 0.69           | 8.6            | 237.41                      | 0.34              | 37.28           |
| 1.548           | 14.63      | 45.01               | 0.84           | 8.6            | 372.54                      | 0.56              | 37.28           |
| 1.579           | 14.63      | 45.01               | 0.61           | 8.61           | 452.82                      | 0.36              | 37.28           |
| 1.582           | 14.62      | 45.01               | 0.88           | 8.63           | 427.43                      | 0.34              | 37.28           |
| 1.589           | 14.62      | 45.01               | 0.65           | 8.62           | 217.09                      | 0.35              | 37.28           |
| 1.626           | 14.62      | 45.01               | 0.76           | 8.61           | 255.03                      | 0.43              | 37.28           |
| 1.684           | 14.62      | 45.01               | 0.61           | 8.61           | 291.05                      | 0.42              | 37.28           |
| 1.749           | 14.62      | 45.01               | 0.72           | 8.6            | 399.65                      | 0.34              | 37.28           |
| 1.785           | 14.62      | 45.01               | 0.65           | 8.61           | 365.11                      | 0.39              | 37.28           |
| 1.815           | 14.62      | 45.01               | 0.76           | 8.61           | 422.8                       | 0.42              | 37.28           |
| 1.862           | 14.62      | 45.01               | 0.65           | 8.59           | 215.04                      | 0.37              | 37.28           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.895 | 14.62 | 45.01 | 0.5  | 8.59 | 505.17 | 0.51 | 37.28 |
| 1.983 | 14.62 | 45.01 | 0.61 | 8.59 | 284.06 | 0.4  | 37.28 |
| 2.013 | 14.62 | 45.01 | 0.34 | 8.59 | 243.26 | 0.34 | 37.28 |
| 2.035 | 14.62 | 45.01 | 0.84 | 8.59 | 419.09 | 0.4  | 37.28 |
| 2.117 | 14.62 | 45.01 | 0.69 | 8.6  | 290.38 | 0.41 | 37.28 |
| 2.184 | 14.62 | 45.01 | 0.61 | 8.63 | 404.02 | 0.33 | 37.28 |
| 2.22  | 14.62 | 45.01 | 0.42 | 8.61 | 338.46 | 0.4  | 37.28 |
| 2.223 | 14.62 | 45.01 | 1.56 | 8.61 | 358.56 | 0.37 | 37.28 |
| 2.302 | 14.62 | 45.01 | 0.5  | 8.61 | 498.66 | 0.37 | 37.28 |
| 2.39  | 14.62 | 45.01 | 0.88 | 8.6  | 550.03 | 0.31 | 37.28 |
| 2.413 | 14.62 | 45.01 | 0.76 | 8.59 | 506.93 | 0.37 | 37.28 |
| 2.467 | 14.62 | 45.01 | 0.61 | 8.6  | 345.51 | 0.83 | 37.28 |
| 2.548 | 14.62 | 45.01 | 0.76 | 8.61 | 262.59 | 0.5  | 37.28 |
| 2.626 | 14.62 | 45.01 | 0.53 | 8.61 | 263.69 | 0.37 | 37.28 |
| 2.667 | 14.62 | 45.01 | 0.72 | 8.61 | 350.19 | 0.35 | 37.28 |
| 2.668 | 14.62 | 45.01 | 0.72 | 8.61 | 349.29 | 0.41 | 37.28 |
| 2.67  | 14.62 | 45.01 | 0.8  | 8.62 | 524.87 | 0.4  | 37.28 |
| 2.705 | 14.62 | 45.01 | 0.53 | 8.61 | 288.5  | 0.36 | 37.28 |
| 2.724 | 14.62 | 45.01 | 0.88 | 8.57 | 264.49 | 0.39 | 37.28 |
| 2.743 | 14.62 | 45.01 | 0.8  | 8.57 | 233.42 | 0.4  | 37.28 |
| 2.811 | 14.62 | 45.01 | 0.53 | 8.57 | 204.73 | 0.41 | 37.28 |
| 2.88  | 14.62 | 45.01 | 0.53 | 8.58 | 284.25 | 0.39 | 37.28 |
| 2.914 | 14.62 | 45.01 | 0.69 | 8.59 | 375.32 | 0.42 | 37.28 |
| 2.92  | 14.62 | 45.01 | 0.61 | 8.61 | 296.71 | 0.4  | 37.28 |
| 2.926 | 14.62 | 45.01 | 0.69 | 8.62 | 210.4  | 0.61 | 37.28 |
| 2.951 | 14.62 | 45.01 | 0.57 | 8.62 | 254.8  | 0.61 | 37.28 |
| 2.986 | 14.62 | 45.01 | 0.69 | 8.62 | 309.63 | 0.47 | 37.28 |
| 3.013 | 14.62 | 45.01 | 0.61 | 8.62 | 447.3  | 0.37 | 37.28 |
| 3.029 | 14.62 | 45.01 | 1.11 | 8.62 | 328.56 | 0.39 | 37.28 |
| 3.035 | 14.62 | 45.01 | 0.57 | 8.61 | 256.16 | 0.35 | 37.28 |
| 3.055 | 14.62 | 45.01 | 0.65 | 8.61 | 280.91 | 0.42 | 37.28 |
| 3.109 | 14.63 | 45.01 | 0.84 | 8.61 | 284.72 | 0.53 | 37.28 |
| 3.186 | 14.63 | 45.01 | 0.65 | 8.61 | 278.26 | 0.45 | 37.28 |
| 3.264 | 14.63 | 45.01 | 0.84 | 8.61 | 246.15 | 0.42 | 37.28 |
| 3.314 | 14.63 | 45.01 | 0.84 | 8.61 | 294.99 | 0.42 | 37.28 |
| 3.425 | 14.63 | 45.01 | 0.5  | 8.59 | 220.39 | 0.43 | 37.28 |
| 3.462 | 14.63 | 45.01 | 0.76 | 8.59 | 236.15 | 0.56 | 37.28 |
| 3.52  | 14.63 | 45.01 | 0.5  | 8.6  | 239.06 | 0.66 | 37.28 |
| 3.563 | 14.63 | 45.01 | 0.72 | 8.61 | 273.14 | 0.52 | 37.28 |
| 3.573 | 14.63 | 45.01 | 0.76 | 8.61 | 259.21 | 0.5  | 37.28 |
| 3.577 | 14.63 | 45.01 | 0.65 | 8.6  | 214.74 | 0.42 | 37.28 |
| 3.619 | 14.63 | 45.01 | 0.5  | 8.6  | 233.86 | 0.39 | 37.28 |
| 3.701 | 14.63 | 45.02 | 0.8  | 8.6  | 206.39 | 0.41 | 37.28 |
| 3.752 | 14.63 | 45.01 | 0.57 | 8.62 | 293.7  | 0.47 | 37.28 |
| 3.787 | 14.63 | 45.01 | 0.76 | 8.62 | 221.05 | 0.44 | 37.28 |
| 3.9   | 14.63 | 45.01 | 0.57 | 8.61 | 196.86 | 0.43 | 37.28 |
| 4.024 | 14.63 | 45.01 | 0.53 | 8.6  | 204.35 | 0.41 | 37.28 |
| 4.029 | 14.62 | 45.01 | 0.69 | 8.59 | 289.98 | 0.7  | 37.28 |
| 4.032 | 14.62 | 45.01 | 0.69 | 8.59 | 261.98 | 0.54 | 37.28 |
| 4.054 | 14.62 | 45.01 | 0.46 | 8.59 | 267.94 | 0.51 | 37.28 |
| 4.09  | 14.62 | 45.01 | 0.76 | 8.59 | 248.33 | 0.47 | 37.28 |
| 4.124 | 14.62 | 45.01 | 0.72 | 8.59 | 202.88 | 0.37 | 37.28 |
| 4.158 | 14.62 | 45.01 | 0.8  | 8.58 | 193.69 | 0.62 | 37.28 |
| 4.208 | 14.62 | 45.01 | 0.65 | 8.58 | 190.31 | 0.54 | 37.28 |
| 4.245 | 14.62 | 45.01 | 0.69 | 8.62 | 235.05 | 0.4  | 37.28 |
| 4.252 | 14.62 | 45.01 | 0.57 | 8.61 | 212.21 | 0.4  | 37.28 |
| 4.307 | 14.62 | 45.01 | 0.65 | 8.61 | 249.71 | 0.72 | 37.28 |
| 4.383 | 14.62 | 45.01 | 0.69 | 8.61 | 237.74 | 0.45 | 37.28 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.422 | 14.62 | 45.01 | 0.72 | 8.64 | 236.09 | 0.43 | 37.28 |
| 4.462 | 14.62 | 45.01 | 0.53 | 8.64 | 217.34 | 0.53 | 37.28 |
| 4.503 | 14.62 | 45.01 | 0.69 | 8.62 | 297.33 | 0.59 | 37.28 |
| 4.572 | 14.62 | 45.01 | 0.72 | 8.61 | 238.12 | 0.46 | 37.28 |
| 4.684 | 14.62 | 45.01 | 0.61 | 8.61 | 245.18 | 0.42 | 37.28 |
| 4.701 | 14.62 | 45.01 | 0.84 | 8.6  | 223.52 | 0.48 | 37.28 |
| 4.72  | 14.62 | 45.01 | 0.61 | 8.61 | 229.93 | 0.46 | 37.28 |
| 4.764 | 14.62 | 45.01 | 0.72 | 8.61 | 253.91 | 0.46 | 37.28 |
| 4.805 | 14.62 | 45.01 | 0.88 | 8.62 | 231.43 | 0.42 | 37.28 |
| 4.812 | 14.62 | 45.01 | 0.57 | 8.61 | 220.23 | 0.41 | 37.28 |
| 4.83  | 14.62 | 45.01 | 0.46 | 8.61 | 214.14 | 0.46 | 37.28 |
| 4.868 | 14.62 | 45.01 | 0.76 | 8.6  | 228.45 | 0.53 | 37.28 |
| 4.917 | 14.62 | 45.01 | 0.72 | 8.6  | 226.02 | 0.55 | 37.28 |
| 4.934 | 14.62 | 45.02 | 0.72 | 8.63 | 247.52 | 0.56 | 37.28 |
| 4.998 | 14.62 | 45.02 | 0.84 | 8.63 | 209.82 | 0.47 | 37.29 |
| 5.108 | 14.62 | 45.03 | 0.65 | 8.63 | 189.3  | 0.41 | 37.3  |
| 5.16  | 14.63 | 45.04 | 0.65 | 8.63 | 213.84 | 0.49 | 37.3  |
| 5.162 | 14.63 | 45.04 | 0.61 | 8.63 | 230.04 | 0.48 | 37.3  |
| 5.174 | 14.63 | 45.04 | 0.61 | 8.63 | 211.77 | 0.37 | 37.3  |
| 5.212 | 14.63 | 45.04 | 0.61 | 8.62 | 191.55 | 0.47 | 37.3  |
| 5.23  | 14.63 | 45.04 | 0.61 | 8.59 | 233.8  | 0.5  | 37.3  |
| 5.329 | 14.63 | 45.04 | 0.65 | 8.59 | 260.95 | 0.53 | 37.3  |
| 5.481 | 14.63 | 45.03 | 0.65 | 8.6  | 230.84 | 0.4  | 37.29 |
| 5.514 | 14.63 | 45.04 | 0.65 | 8.64 | 197.64 | 0.46 | 37.29 |
| 5.607 | 14.63 | 45.04 | 0.69 | 8.64 | 182.62 | 0.6  | 37.3  |
| 5.651 | 14.63 | 45.04 | 0.65 | 8.6  | 192.4  | 0.42 | 37.3  |
| 5.701 | 14.63 | 45.04 | 0.61 | 8.59 | 189.04 | 0.5  | 37.3  |
| 5.752 | 14.63 | 45.04 | 0.61 | 8.62 | 173.78 | 0.42 | 37.3  |
| 5.764 | 14.63 | 45.04 | 0.53 | 8.62 | 187.34 | 0.4  | 37.3  |
| 5.795 | 14.63 | 45.04 | 0.76 | 8.57 | 170.55 | 0.58 | 37.29 |
| 5.88  | 14.63 | 45.04 | 0.65 | 8.57 | 157.01 | 0.56 | 37.29 |
| 6.061 | 14.63 | 45.04 | 0.69 | 8.58 | 164.23 | 0.47 | 37.3  |
| 6.188 | 14.63 | 45.06 | 0.72 | 8.58 | 171.5  | 0.53 | 37.31 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.44      | 48.58               | 0.0            | 8.48           | 203.12                      | 0.43                           | 41.5            |
| <b>PROF (metros)</b> | 2.739      | 0.758               | 0.839          | 0.943          | 5.281                       | 0.812                          | 0.758           |
| <b>MÁXIMO</b>        | 13.81      | 13.81               | 4.39           | 8.82           | 1783.7                      | 0.84                           | 43.1            |
| <b>PROF (metros)</b> | 0.721      | 1.485               | 1.448          | 4.942          | 0.879                       | 5.151                          | 1.509           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E04 - Punto 009 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.76      | 48.8                | 2.03           | 8.56           | 869.74                      | 0.47              | 41.76           |
| 1 - 2m              | 13.48      | 49.77               | 1.38           | 8.72           | 493.0                       | 0.5               | 43.0            |
| 2 - 3m              | 13.45      | 49.83               | 0.74           | 8.73           | 446.75                      | 0.53              | 43.1            |
| 3 - 4m              | 13.44      | 49.82               | 0.75           | 8.75           | 345.91                      | 0.63              | 43.1            |
| 4 - 5m              | 13.44      | 49.82               | 0.71           | 8.77           | 291.26                      | 0.69              | 43.1            |
| 5 - 6m              | 13.45      | 49.83               | 0.69           | 8.78           | 249.25                      | 0.72              | 43.1            |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

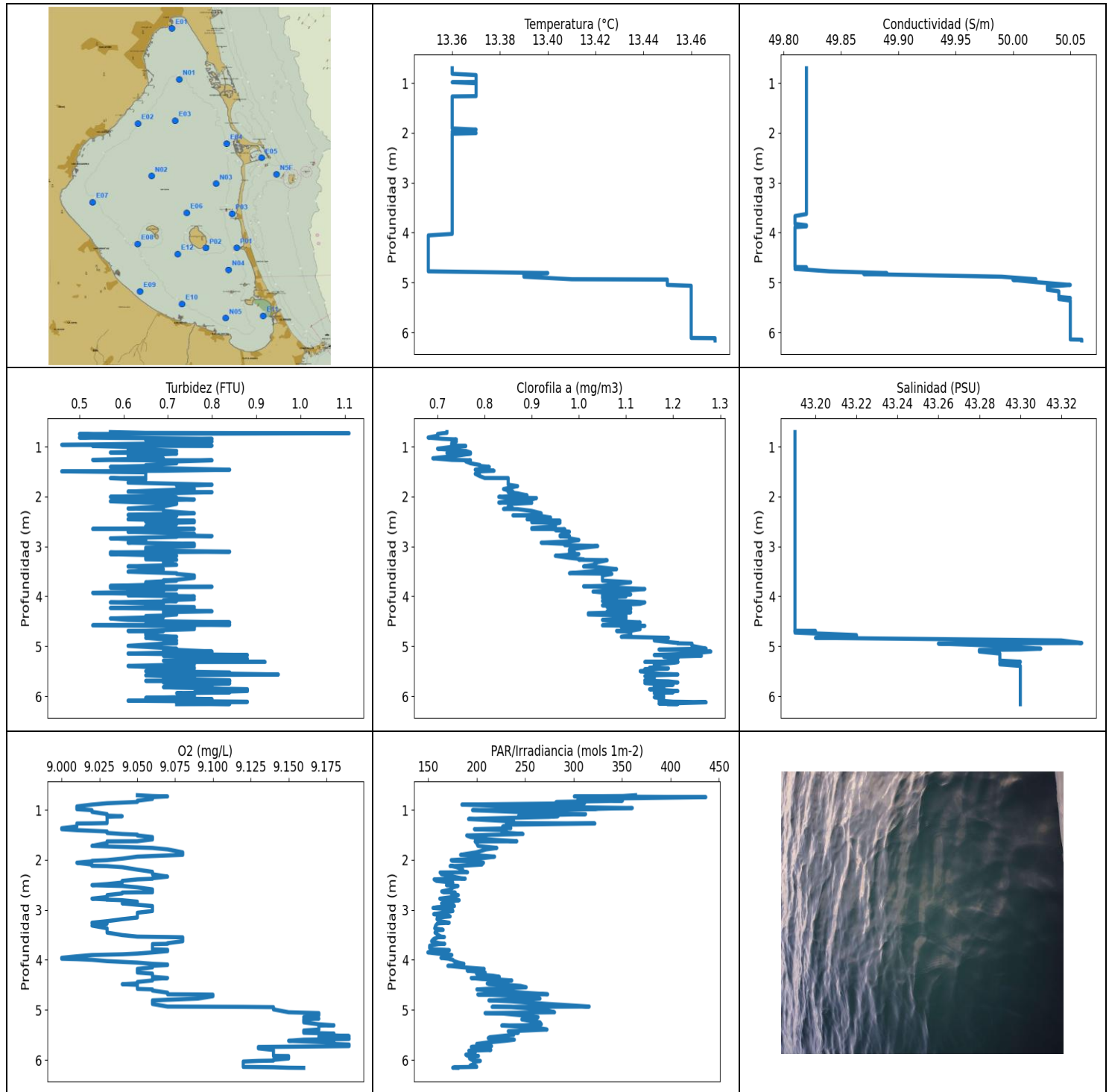
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.721           | 13.81      | 48.6                | 0.95           | 8.6            | 778.88                      | 0.46              | 41.51           |
| 0.758           | 13.8       | 48.58               | 0.38           | 8.6            | 630.19                      | 0.48              | 41.5            |
| 0.792           | 13.8       | 48.6                | 3.47           | 8.59           | 659.32                      | 0.44              | 41.52           |
| 0.812           | 13.8       | 48.74               | 4.0            | 8.58           | 631.21                      | 0.43              | 41.66           |
| 0.822           | 13.78      | 48.84               | 3.81           | 8.56           | 994.18                      | 0.47              | 41.77           |
| 0.839           | 13.76      | 48.9                | 0.0            | 8.54           | 1206.5                      | 0.48              | 41.86           |
| 0.879           | 13.74      | 48.87               | 1.26           | 8.52           | 1783.7                      | 0.5               | 41.84           |
| 0.943           | 13.7       | 49.13               | 0.0            | 8.48           | 592.92                      | 0.49              | 42.14           |
| 0.948           | 13.68      | 49.08               | 0.92           | 8.5            | 464.84                      | 0.5               | 42.11           |
| 0.98            | 13.68      | 49.09               | 1.45           | 8.53           | 1015.6                      | 0.49              | 42.13           |
| 1.063           | 13.66      | 49.31               | 1.56           | 8.59           | 461.09                      | 0.5               | 42.36           |
| 1.08            | 13.64      | 49.41               | 0.0            | 8.62           | 1127.0                      | 0.49              | 42.49           |
| 1.084           | 13.61      | 49.43               | 1.68           | 8.63           | 403.09                      | 0.52              | 42.54           |
| 1.097           | 13.59      | 49.45               | 0.0            | 8.64           | 528.28                      | 0.53              | 42.57           |
| 1.123           | 13.58      | 49.46               | 2.59           | 8.65           | 656.58                      | 0.5               | 42.59           |
| 1.196           | 13.56      | 49.61               | 1.3            | 8.66           | 1311.8                      | 0.46              | 42.76           |
| 1.222           | 13.54      | 49.67               | 0.0            | 8.67           | 812.25                      | 0.52              | 42.84           |
| 1.23            | 13.52      | 49.76               | 0.88           | 8.69           | 698.65                      | 0.53              | 42.94           |
| 1.237           | 13.5       | 49.75               | 0.0            | 8.7            | 332.62                      | 0.52              | 42.96           |
| 1.261           | 13.49      | 49.72               | 0.0            | 8.72           | 723.2                       | 0.52              | 42.95           |
| 1.302           | 13.49      | 49.76               | 0.0            | 8.73           | 324.33                      | 0.47              | 42.99           |
| 1.342           | 13.48      | 49.8                | 0.0            | 8.72           | 294.38                      | 0.47              | 43.03           |
| 1.36            | 13.47      | 49.81               | 0.0            | 8.7            | 505.53                      | 0.5               | 43.07           |
| 1.368           | 13.46      | 49.81               | 0.0            | 8.7            | 501.32                      | 0.48              | 43.07           |
| 1.4             | 13.46      | 49.81               | 2.71           | 8.7            | 493.71                      | 0.51              | 43.07           |
| 1.448           | 13.46      | 49.82               | 4.39           | 8.71           | 393.31                      | 0.5               | 43.08           |
| 1.485           | 13.46      | 49.83               | 2.25           | 8.72           | 346.87                      | 0.48              | 43.09           |
| 1.509           | 13.45      | 49.83               | 2.75           | 8.75           | 596.37                      | 0.48              | 43.1            |
| 1.55            | 13.45      | 49.83               | 0.88           | 8.76           | 265.96                      | 0.54              | 43.1            |
| 1.593           | 13.45      | 49.83               | 0.0            | 8.75           | 313.53                      | 0.49              | 43.1            |
| 1.617           | 13.45      | 49.83               | 1.56           | 8.75           | 459.7                       | 0.48              | 43.1            |
| 1.626           | 13.45      | 49.83               | 0.0            | 8.74           | 330.7                       | 0.5               | 43.1            |
| 1.638           | 13.45      | 49.83               | 0.88           | 8.74           | 375.92                      | 0.56              | 43.1            |
| 1.661           | 13.45      | 49.83               | 0.23           | 8.73           | 357.73                      | 0.48              | 43.1            |
| 1.687           | 13.45      | 49.83               | 1.41           | 8.73           | 310.57                      | 0.5               | 43.1            |
| 1.71            | 13.45      | 49.83               | 0.0            | 8.72           | 509.76                      | 0.49              | 43.1            |

|       |       |       |      |      |        |      |      |
|-------|-------|-------|------|------|--------|------|------|
| 1.729 | 13.45 | 49.83 | 0.92 | 8.73 | 335.64 | 0.51 | 43.1 |
| 1.752 | 13.45 | 49.83 | 0.27 | 8.73 | 622.93 | 0.47 | 43.1 |
| 1.782 | 13.45 | 49.83 | 1.49 | 8.75 | 417.35 | 0.52 | 43.1 |
| 1.809 | 13.45 | 49.83 | 0.92 | 8.75 | 497.51 | 0.49 | 43.1 |
| 1.825 | 13.45 | 49.83 | 0.0  | 8.76 | 441.12 | 0.51 | 43.1 |
| 1.831 | 13.45 | 49.83 | 1.26 | 8.77 | 476.96 | 0.5  | 43.1 |
| 1.843 | 13.45 | 49.83 | 0.84 | 8.77 | 684.71 | 0.51 | 43.1 |
| 1.876 | 13.45 | 49.83 | 0.61 | 8.77 | 360.73 | 0.49 | 43.1 |
| 1.919 | 13.45 | 49.83 | 0.84 | 8.77 | 372.28 | 0.53 | 43.1 |
| 1.945 | 13.45 | 49.83 | 0.3  | 8.77 | 535.56 | 0.51 | 43.1 |
| 1.947 | 13.45 | 49.83 | 1.41 | 8.74 | 520.51 | 0.5  | 43.1 |
| 1.961 | 13.45 | 49.83 | 0.65 | 8.72 | 369.36 | 0.53 | 43.1 |
| 2.0   | 13.45 | 49.83 | 0.5  | 8.71 | 748.62 | 0.5  | 43.1 |
| 2.046 | 13.45 | 49.83 | 1.14 | 8.71 | 434.52 | 0.5  | 43.1 |
| 2.077 | 13.45 | 49.83 | 1.18 | 8.7  | 459.17 | 0.52 | 43.1 |
| 2.082 | 13.45 | 49.83 | 0.95 | 8.71 | 474.09 | 0.55 | 43.1 |
| 2.093 | 13.45 | 49.83 | 0.69 | 8.72 | 417.73 | 0.53 | 43.1 |
| 2.124 | 13.45 | 49.83 | 0.27 | 8.73 | 471.57 | 0.52 | 43.1 |
| 2.163 | 13.45 | 49.83 | 1.03 | 8.74 | 345.19 | 0.51 | 43.1 |
| 2.195 | 13.45 | 49.83 | 0.72 | 8.74 | 523.9  | 0.51 | 43.1 |
| 2.214 | 13.45 | 49.83 | 0.69 | 8.73 | 430.81 | 0.56 | 43.1 |
| 2.225 | 13.45 | 49.83 | 0.76 | 8.73 | 456.3  | 0.56 | 43.1 |
| 2.236 | 13.45 | 49.83 | 0.72 | 8.72 | 444.61 | 0.56 | 43.1 |
| 2.254 | 13.45 | 49.83 | 0.84 | 8.72 | 415.71 | 0.53 | 43.1 |
| 2.282 | 13.45 | 49.83 | 0.72 | 8.72 | 445.74 | 0.53 | 43.1 |
| 2.321 | 13.45 | 49.83 | 0.99 | 8.72 | 432.61 | 0.49 | 43.1 |
| 2.354 | 13.45 | 49.83 | 0.57 | 8.73 | 542.56 | 0.5  | 43.1 |
| 2.372 | 13.45 | 49.83 | 0.69 | 8.74 | 472.12 | 0.5  | 43.1 |
| 2.375 | 13.45 | 49.83 | 0.72 | 8.75 | 556.05 | 0.53 | 43.1 |
| 2.384 | 13.45 | 49.83 | 0.76 | 8.75 | 614.47 | 0.53 | 43.1 |
| 2.411 | 13.45 | 49.83 | 0.84 | 8.74 | 449.48 | 0.52 | 43.1 |
| 2.449 | 13.45 | 49.83 | 0.76 | 8.73 | 403.09 | 0.56 | 43.1 |
| 2.479 | 13.45 | 49.83 | 0.72 | 8.73 | 565.28 | 0.53 | 43.1 |
| 2.493 | 13.45 | 49.83 | 0.8  | 8.71 | 404.3  | 0.49 | 43.1 |
| 2.501 | 13.45 | 49.83 | 0.8  | 8.7  | 542.68 | 0.51 | 43.1 |
| 2.516 | 13.45 | 49.83 | 0.69 | 8.69 | 452.51 | 0.5  | 43.1 |
| 2.546 | 13.45 | 49.83 | 0.76 | 8.68 | 277.48 | 0.51 | 43.1 |
| 2.584 | 13.45 | 49.83 | 0.65 | 8.68 | 423.68 | 0.54 | 43.1 |
| 2.616 | 13.45 | 49.83 | 0.53 | 8.69 | 483.97 | 0.53 | 43.1 |
| 2.631 | 13.45 | 49.83 | 0.65 | 8.7  | 482.4  | 0.53 | 43.1 |
| 2.64  | 13.45 | 49.82 | 0.65 | 8.72 | 374.79 | 0.53 | 43.1 |
| 2.658 | 13.45 | 49.82 | 0.8  | 8.74 | 287.3  | 0.55 | 43.1 |
| 2.691 | 13.45 | 49.82 | 0.76 | 8.76 | 330.93 | 0.52 | 43.1 |
| 2.72  | 13.45 | 49.82 | 0.72 | 8.77 | 572.93 | 0.51 | 43.1 |
| 2.739 | 13.44 | 49.82 | 0.65 | 8.78 | 371.08 | 0.53 | 43.1 |
| 2.76  | 13.44 | 49.82 | 0.65 | 8.78 | 350.11 | 0.56 | 43.1 |
| 2.792 | 13.44 | 49.82 | 0.72 | 8.77 | 442.35 | 0.55 | 43.1 |
| 2.827 | 13.44 | 49.82 | 0.72 | 8.76 | 410.06 | 0.59 | 43.1 |
| 2.855 | 13.44 | 49.82 | 0.65 | 8.75 | 403.93 | 0.56 | 43.1 |
| 2.866 | 13.44 | 49.82 | 0.76 | 8.74 | 445.85 | 0.51 | 43.1 |
| 2.871 | 13.44 | 49.82 | 0.8  | 8.74 | 315.65 | 0.56 | 43.1 |
| 2.89  | 13.44 | 49.82 | 0.61 | 8.74 | 340.98 | 0.63 | 43.1 |
| 2.927 | 13.44 | 49.82 | 0.84 | 8.74 | 421.72 | 0.55 | 43.1 |
| 2.971 | 13.44 | 49.82 | 0.8  | 8.74 | 524.99 | 0.57 | 43.1 |
| 3.003 | 13.44 | 49.82 | 0.8  | 8.73 | 428.72 | 0.59 | 43.1 |
| 3.004 | 13.44 | 49.82 | 0.72 | 8.71 | 413.21 | 0.54 | 43.1 |
| 3.011 | 13.44 | 49.83 | 0.69 | 8.71 | 342.8  | 0.56 | 43.1 |
| 3.05  | 13.45 | 49.83 | 0.88 | 8.7  | 350.02 | 0.56 | 43.1 |

|       |       |       |      |      |        |      |      |
|-------|-------|-------|------|------|--------|------|------|
| 3.109 | 13.45 | 49.83 | 0.92 | 8.71 | 364.94 | 0.56 | 43.1 |
| 3.144 | 13.44 | 49.83 | 0.84 | 8.73 | 358.31 | 0.58 | 43.1 |
| 3.179 | 13.44 | 49.82 | 0.65 | 8.74 | 367.23 | 0.57 | 43.1 |
| 3.242 | 13.44 | 49.83 | 0.8  | 8.75 | 392.85 | 0.61 | 43.1 |
| 3.284 | 13.44 | 49.82 | 0.76 | 8.76 | 377.06 | 0.54 | 43.1 |
| 3.316 | 13.44 | 49.82 | 0.84 | 8.77 | 428.72 | 0.58 | 43.1 |
| 3.379 | 13.44 | 49.82 | 0.69 | 8.77 | 388.86 | 0.66 | 43.1 |
| 3.429 | 13.44 | 49.82 | 0.84 | 8.76 | 408.45 | 0.66 | 43.1 |
| 3.451 | 13.44 | 49.82 | 0.84 | 8.75 | 346.87 | 0.65 | 43.1 |
| 3.492 | 13.44 | 49.82 | 0.76 | 8.75 | 348.32 | 0.79 | 43.1 |
| 3.533 | 13.44 | 49.82 | 0.61 | 8.75 | 346.79 | 0.68 | 43.1 |
| 3.558 | 13.44 | 49.82 | 0.72 | 8.75 | 314.85 | 0.58 | 43.1 |
| 3.573 | 13.44 | 49.82 | 0.8  | 8.75 | 400.39 | 0.62 | 43.1 |
| 3.587 | 13.44 | 49.82 | 0.5  | 8.76 | 392.49 | 0.63 | 43.1 |
| 3.603 | 13.44 | 49.82 | 0.76 | 8.76 | 319.4  | 0.64 | 43.1 |
| 3.622 | 13.44 | 49.82 | 0.76 | 8.77 | 307.2  | 0.63 | 43.1 |
| 3.645 | 13.44 | 49.82 | 0.69 | 8.77 | 407.88 | 0.63 | 43.1 |
| 3.674 | 13.44 | 49.82 | 0.76 | 8.77 | 364.77 | 0.66 | 43.1 |
| 3.704 | 13.44 | 49.82 | 0.88 | 8.77 | 262.84 | 0.63 | 43.1 |
| 3.723 | 13.44 | 49.82 | 0.65 | 8.75 | 321.41 | 0.63 | 43.1 |
| 3.732 | 13.44 | 49.82 | 0.76 | 8.74 | 436.24 | 0.63 | 43.1 |
| 3.738 | 13.44 | 49.82 | 0.65 | 8.73 | 341.13 | 0.66 | 43.1 |
| 3.76  | 13.44 | 49.82 | 0.61 | 8.73 | 244.56 | 0.67 | 43.1 |
| 3.796 | 13.44 | 49.82 | 0.76 | 8.74 | 292.54 | 0.64 | 43.1 |
| 3.829 | 13.44 | 49.82 | 0.65 | 8.75 | 324.85 | 0.63 | 43.1 |
| 3.85  | 13.44 | 49.83 | 0.92 | 8.77 | 302.68 | 0.63 | 43.1 |
| 3.862 | 13.44 | 49.83 | 0.65 | 8.78 | 321.33 | 0.61 | 43.1 |
| 3.87  | 13.45 | 49.83 | 1.11 | 8.79 | 336.19 | 0.66 | 43.1 |
| 3.884 | 13.45 | 49.83 | 0.76 | 8.78 | 273.27 | 0.66 | 43.1 |
| 3.906 | 13.45 | 49.83 | 0.61 | 8.77 | 285.05 | 0.68 | 43.1 |
| 3.932 | 13.45 | 49.83 | 0.72 | 8.76 | 340.27 | 0.66 | 43.1 |
| 3.957 | 13.45 | 49.83 | 0.76 | 8.76 | 292.68 | 0.68 | 43.1 |
| 3.974 | 13.45 | 49.82 | 0.76 | 8.76 | 313.61 | 0.69 | 43.1 |
| 3.986 | 13.44 | 49.82 | 0.72 | 8.77 | 285.64 | 0.66 | 43.1 |
| 4.006 | 13.44 | 49.82 | 0.69 | 8.77 | 316.16 | 0.74 | 43.1 |
| 4.032 | 13.44 | 49.82 | 0.88 | 8.78 | 330.32 | 0.68 | 43.1 |
| 4.058 | 13.44 | 49.82 | 0.8  | 8.77 | 299.4  | 0.66 | 43.1 |
| 4.082 | 13.44 | 49.82 | 0.88 | 8.77 | 316.01 | 0.64 | 43.1 |
| 4.1   | 13.44 | 49.82 | 0.65 | 8.76 | 301.7  | 0.66 | 43.1 |
| 4.11  | 13.44 | 49.82 | 0.92 | 8.76 | 319.4  | 0.63 | 43.1 |
| 4.122 | 13.44 | 49.82 | 0.72 | 8.76 | 331.09 | 0.65 | 43.1 |
| 4.142 | 13.44 | 49.82 | 0.84 | 8.75 | 289.04 | 0.63 | 43.1 |
| 4.168 | 13.44 | 49.82 | 0.61 | 8.76 | 291.73 | 0.66 | 43.1 |
| 4.195 | 13.44 | 49.82 | 0.65 | 8.75 | 314.33 | 0.69 | 43.1 |
| 4.223 | 13.44 | 49.82 | 0.61 | 8.76 | 288.77 | 0.64 | 43.1 |
| 4.247 | 13.44 | 49.82 | 0.76 | 8.75 | 272.89 | 0.64 | 43.1 |
| 4.262 | 13.44 | 49.82 | 0.76 | 8.74 | 299.12 | 0.65 | 43.1 |
| 4.274 | 13.44 | 49.82 | 0.72 | 8.73 | 316.6  | 0.68 | 43.1 |
| 4.291 | 13.44 | 49.82 | 0.69 | 8.72 | 329.55 | 0.69 | 43.1 |
| 4.312 | 13.44 | 49.82 | 0.72 | 8.72 | 286.9  | 0.69 | 43.1 |
| 4.339 | 13.44 | 49.82 | 0.76 | 8.72 | 266.08 | 0.68 | 43.1 |
| 4.366 | 13.44 | 49.82 | 0.65 | 8.74 | 292.34 | 0.67 | 43.1 |
| 4.384 | 13.44 | 49.82 | 0.76 | 8.74 | 296.71 | 0.65 | 43.1 |
| 4.396 | 13.44 | 49.82 | 0.65 | 8.76 | 313.97 | 0.71 | 43.1 |
| 4.413 | 13.44 | 49.82 | 0.5  | 8.77 | 319.92 | 0.69 | 43.1 |
| 4.438 | 13.44 | 49.82 | 0.72 | 8.78 | 310.07 | 0.68 | 43.1 |
| 4.467 | 13.44 | 49.82 | 0.69 | 8.8  | 293.7  | 0.7  | 43.1 |
| 4.49  | 13.44 | 49.82 | 0.57 | 8.8  | 273.72 | 0.66 | 43.1 |

|       |       |       |      |      |        |      |      |
|-------|-------|-------|------|------|--------|------|------|
| 4.505 | 13.44 | 49.82 | 0.65 | 8.8  | 284.39 | 0.67 | 43.1 |
| 4.518 | 13.44 | 49.82 | 0.61 | 8.81 | 287.63 | 0.71 | 43.1 |
| 4.539 | 13.44 | 49.82 | 0.72 | 8.81 | 312.08 | 0.72 | 43.1 |
| 4.559 | 13.44 | 49.82 | 0.76 | 8.81 | 296.16 | 0.69 | 43.1 |
| 4.575 | 13.44 | 49.82 | 0.53 | 8.81 | 263.51 | 0.66 | 43.1 |
| 4.594 | 13.44 | 49.82 | 0.76 | 8.8  | 236.09 | 0.72 | 43.1 |
| 4.62  | 13.44 | 49.82 | 0.65 | 8.78 | 263.63 | 0.69 | 43.1 |
| 4.648 | 13.44 | 49.82 | 0.69 | 8.75 | 302.75 | 0.7  | 43.1 |
| 4.668 | 13.44 | 49.82 | 0.76 | 8.75 | 301.28 | 0.69 | 43.1 |
| 4.676 | 13.44 | 49.82 | 0.61 | 8.73 | 291.8  | 0.73 | 43.1 |
| 4.688 | 13.44 | 49.82 | 0.72 | 8.72 | 269.0  | 0.72 | 43.1 |
| 4.715 | 13.44 | 49.82 | 0.69 | 8.72 | 248.84 | 0.7  | 43.1 |
| 4.746 | 13.44 | 49.82 | 0.61 | 8.72 | 264.06 | 0.66 | 43.1 |
| 4.766 | 13.44 | 49.82 | 0.8  | 8.74 | 318.81 | 0.73 | 43.1 |
| 4.773 | 13.44 | 49.82 | 0.69 | 8.76 | 315.28 | 0.7  | 43.1 |
| 4.78  | 13.44 | 49.82 | 0.57 | 8.78 | 262.65 | 0.73 | 43.1 |
| 4.804 | 13.44 | 49.82 | 0.65 | 8.79 | 259.63 | 0.72 | 43.1 |
| 4.838 | 13.44 | 49.82 | 0.57 | 8.81 | 259.63 | 0.71 | 43.1 |
| 4.869 | 13.44 | 49.82 | 0.61 | 8.81 | 274.16 | 0.69 | 43.1 |
| 4.891 | 13.44 | 49.82 | 1.14 | 8.81 | 296.98 | 0.69 | 43.1 |
| 4.901 | 13.44 | 49.82 | 0.84 | 8.81 | 304.58 | 0.72 | 43.1 |
| 4.904 | 13.44 | 49.82 | 0.92 | 8.81 | 263.81 | 0.73 | 43.1 |
| 4.913 | 13.44 | 49.82 | 0.69 | 8.81 | 255.45 | 0.79 | 43.1 |
| 4.942 | 13.44 | 49.82 | 0.65 | 8.82 | 279.16 | 0.77 | 43.1 |
| 4.978 | 13.44 | 49.82 | 0.69 | 8.81 | 291.05 | 0.72 | 43.1 |
| 5.005 | 13.44 | 49.82 | 0.69 | 8.8  | 259.99 | 0.7  | 43.1 |
| 5.019 | 13.44 | 49.82 | 0.92 | 8.8  | 258.43 | 0.72 | 43.1 |
| 5.028 | 13.44 | 49.82 | 0.61 | 8.79 | 245.92 | 0.72 | 43.1 |
| 5.039 | 13.44 | 49.83 | 0.69 | 8.78 | 253.03 | 0.69 | 43.1 |
| 5.058 | 13.44 | 49.83 | 0.65 | 8.77 | 252.27 | 0.76 | 43.1 |
| 5.082 | 13.45 | 49.83 | 0.76 | 8.77 | 258.31 | 0.72 | 43.1 |
| 5.109 | 13.45 | 49.83 | 0.69 | 8.77 | 285.51 | 0.8  | 43.1 |
| 5.135 | 13.45 | 49.83 | 0.57 | 8.77 | 253.56 | 0.79 | 43.1 |
| 5.151 | 13.45 | 49.83 | 0.76 | 8.77 | 247.01 | 0.84 | 43.1 |
| 5.158 | 13.45 | 49.83 | 0.69 | 8.77 | 263.2  | 0.71 | 43.1 |
| 5.167 | 13.45 | 49.83 | 0.76 | 8.77 | 276.97 | 0.7  | 43.1 |
| 5.186 | 13.45 | 49.83 | 0.76 | 8.78 | 266.52 | 0.76 | 43.1 |
| 5.214 | 13.45 | 49.83 | 0.8  | 8.78 | 235.27 | 0.66 | 43.1 |
| 5.24  | 13.45 | 49.83 | 0.69 | 8.78 | 252.86 | 0.72 | 43.1 |
| 5.26  | 13.45 | 49.83 | 0.69 | 8.79 | 247.46 | 0.72 | 43.1 |
| 5.274 | 13.45 | 49.83 | 0.65 | 8.79 | 229.99 | 0.7  | 43.1 |
| 5.275 | 13.45 | 49.83 | 0.57 | 8.82 | 230.57 | 0.66 | 43.1 |
| 5.279 | 13.45 | 49.83 | 0.5  | 8.81 | 215.79 | 0.67 | 43.1 |
| 5.281 | 13.45 | 49.83 | 0.69 | 8.79 | 203.12 | 0.67 | 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) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| <b>MÍNIMO</b>        | 13.35      | 49.81               | 0.46           | 9.0            | 149.55                      | 0.68              | 43.19           |
| <b>PROF (metros)</b> | 4.055      | 3.666               | 0.961          | 1.365          | 3.851                       | 0.815             | 0.705           |
| <b>MÁXIMO</b>        | 13.47      | 13.47               | 1.11           | 9.19           | 436.44                      | 1.28              | 43.33           |
| <b>PROF (metros)</b> | 6.116      | 6.145               | 0.729          | 5.525          | 0.744                       | 5.105             | 4.934           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD N03 - Punto 010 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.37      | 49.82               | 0.67           | 9.04           | 315.29                      | 0.72              | 43.19           |
| 1 - 2m              | 13.36      | 49.82               | 0.67           | 9.04           | 228.12                      | 0.8               | 43.19           |
| 2 - 3m              | 13.36      | 49.82               | 0.69           | 9.04           | 175.09                      | 0.92              | 43.19           |
| 3 - 4m              | 13.36      | 49.82               | 0.68           | 9.05           | 162.72                      | 1.04              | 43.19           |
| 4 - 5m              | 13.36      | 49.84               | 0.69           | 9.07           | 218.84                      | 1.11              | 43.21           |
| 5 - 6m              | 13.46      | 50.05               | 0.76           | 9.16           | 225.59                      | 1.18              | 43.3            |
| 6 - 7m              | 13.47      | 50.05               | 0.77           | 9.13           | 192.78                      | 1.19              | 43.3            |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

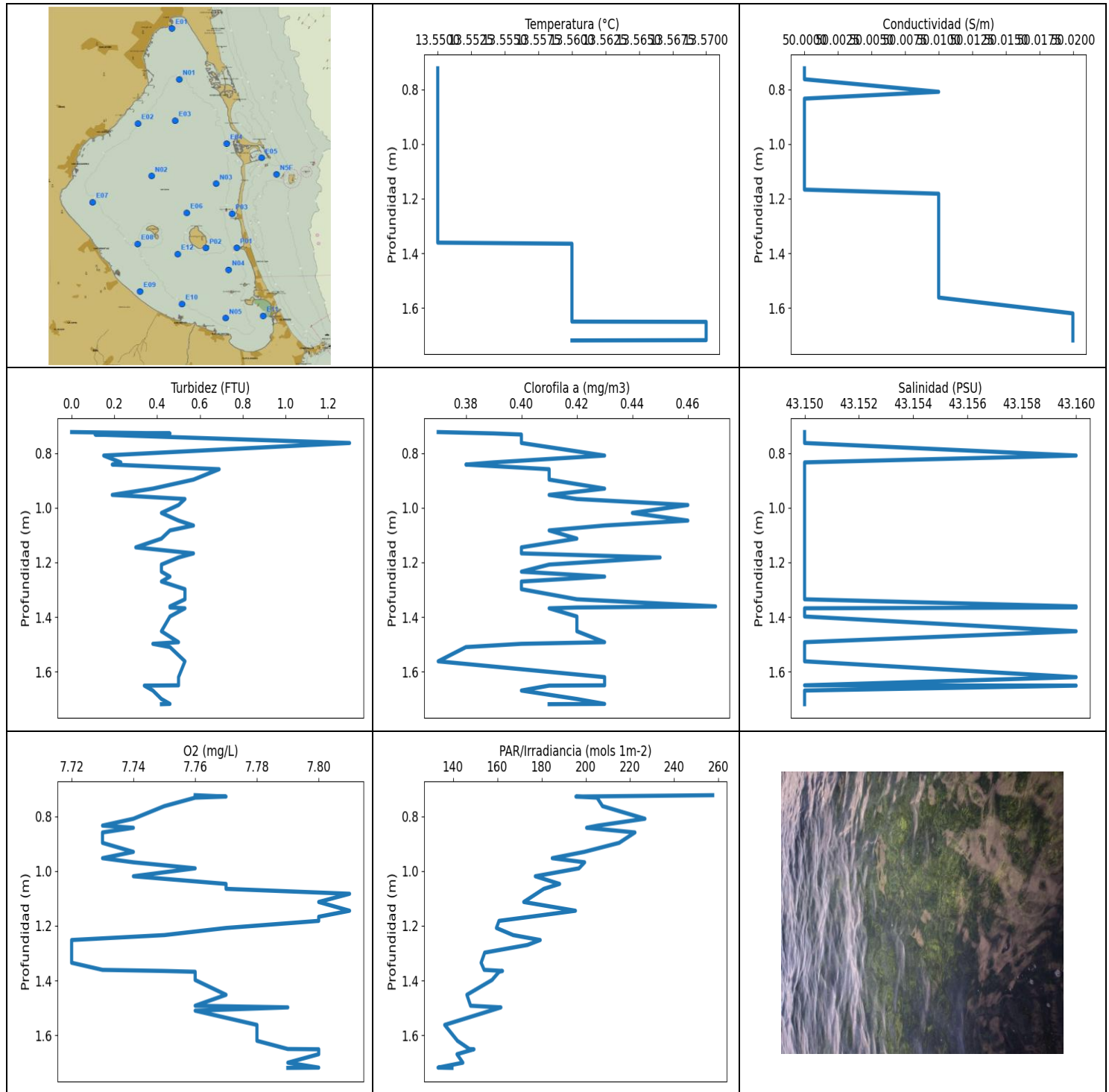
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.705           | 13.36      | 49.82               | 0.57           | 9.05           | 363.92                      | 0.72              | 43.19           |
| 0.721           | 13.36      | 49.82               | 0.65           | 9.06           | 350.92                      | 0.72              | 43.19           |
| 0.729           | 13.36      | 49.82               | 1.11           | 9.07           | 300.72                      | 0.71              | 43.19           |
| 0.744           | 13.36      | 49.82               | 0.5            | 9.06           | 436.44                      | 0.7               | 43.19           |
| 0.779           | 13.36      | 49.82               | 0.61           | 9.06           | 304.37                      | 0.7               | 43.19           |
| 0.815           | 13.36      | 49.82               | 0.5            | 9.05           | 350.35                      | 0.68              | 43.19           |
| 0.84            | 13.37      | 49.82               | 0.8            | 9.05           | 282.28                      | 0.71              | 43.19           |
| 0.853           | 13.37      | 49.82               | 0.72           | 9.04           | 281.5                       | 0.74              | 43.19           |
| 0.866           | 13.37      | 49.82               | 0.65           | 9.03           | 311.29                      | 0.73              | 43.19           |
| 0.893           | 13.37      | 49.82               | 0.8            | 9.02           | 184.66                      | 0.74              | 43.19           |
| 0.93            | 13.37      | 49.82               | 0.72           | 9.01           | 239.34                      | 0.73              | 43.19           |
| 0.961           | 13.37      | 49.82               | 0.46           | 9.01           | 360.56                      | 0.73              | 43.19           |
| 0.977           | 13.37      | 49.82               | 0.8            | 9.01           | 325.15                      | 0.74              | 43.19           |
| 0.984           | 13.36      | 49.82               | 0.53           | 9.01           | 322.6                       | 0.76              | 43.19           |
| 1.003           | 13.37      | 49.82               | 0.61           | 9.02           | 195.63                      | 0.73              | 43.19           |
| 1.039           | 13.37      | 49.82               | 0.61           | 9.02           | 239.4                       | 0.7               | 43.19           |
| 1.083           | 13.37      | 49.82               | 0.72           | 9.03           | 312.37                      | 0.76              | 43.19           |
| 1.115           | 13.37      | 49.82               | 0.57           | 9.03           | 243.31                      | 0.77              | 43.19           |
| 1.125           | 13.37      | 49.82               | 0.69           | 9.04           | 283.79                      | 0.72              | 43.19           |
| 1.139           | 13.37      | 49.82               | 0.72           | 9.03           | 274.48                      | 0.77              | 43.19           |
| 1.181           | 13.37      | 49.82               | 0.61           | 9.03           | 191.55                      | 0.74              | 43.19           |
| 1.231           | 13.37      | 49.82               | 0.69           | 9.03           | 238.23                      | 0.69              | 43.19           |
| 1.263           | 13.37      | 49.82               | 0.53           | 9.03           | 230.63                      | 0.73              | 43.19           |
| 1.269           | 13.36      | 49.82               | 0.65           | 9.02           | 292.68                      | 0.76              | 43.19           |
| 1.271           | 13.36      | 49.82               | 0.8            | 9.01           | 321.93                      | 0.77              | 43.19           |
| 1.293           | 13.36      | 49.82               | 0.72           | 9.01           | 235.6                       | 0.76              | 43.19           |
| 1.331           | 13.36      | 49.82               | 0.72           | 9.01           | 226.76                      | 0.77              | 43.19           |
| 1.365           | 13.36      | 49.82               | 0.65           | 9.0            | 235.16                      | 0.79              | 43.19           |
| 1.385           | 13.36      | 49.82               | 0.65           | 9.0            | 197.59                      | 0.79              | 43.19           |
| 1.404           | 13.36      | 49.82               | 0.57           | 9.01           | 230.2                       | 0.81              | 43.19           |
| 1.43            | 13.36      | 49.82               | 0.69           | 9.03           | 226.02                      | 0.8               | 43.19           |
| 1.46            | 13.36      | 49.82               | 0.84           | 9.03           | 232.83                      | 0.78              | 43.19           |
| 1.481           | 13.36      | 49.82               | 0.69           | 9.04           | 247.75                      | 0.82              | 43.19           |
| 1.493           | 13.36      | 49.82               | 0.46           | 9.05           | 225.45                      | 0.79              | 43.19           |
| 1.511           | 13.36      | 49.82               | 0.65           | 9.05           | 189.65                      | 0.79              | 43.19           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.542 | 13.36 | 49.82 | 0.65 | 9.06 | 193.65 | 0.78 | 43.19 |
| 1.589 | 13.36 | 49.82 | 0.65 | 9.06 | 212.02 | 0.79 | 43.19 |
| 1.626 | 13.36 | 49.82 | 0.65 | 9.05 | 241.4  | 0.8  | 43.19 |
| 1.627 | 13.36 | 49.82 | 0.61 | 9.04 | 230.68 | 0.85 | 43.19 |
| 1.629 | 13.36 | 49.82 | 0.57 | 9.03 | 198.33 | 0.85 | 43.19 |
| 1.661 | 13.36 | 49.82 | 0.65 | 9.03 | 199.8  | 0.85 | 43.19 |
| 1.719 | 13.36 | 49.82 | 0.61 | 9.02 | 201.34 | 0.85 | 43.19 |
| 1.76  | 13.36 | 49.82 | 0.8  | 9.06 | 220.74 | 0.85 | 43.19 |
| 1.789 | 13.36 | 49.82 | 0.72 | 9.07 | 209.82 | 0.87 | 43.19 |
| 1.848 | 13.36 | 49.82 | 0.76 | 9.08 | 199.43 | 0.84 | 43.19 |
| 1.898 | 13.36 | 49.82 | 0.61 | 9.08 | 183.34 | 0.86 | 43.19 |
| 1.91  | 13.36 | 49.82 | 0.8  | 9.07 | 201.67 | 0.85 | 43.19 |
| 1.934 | 13.37 | 49.82 | 0.69 | 9.05 | 218.45 | 0.87 | 43.19 |
| 1.974 | 13.36 | 49.82 | 0.69 | 9.04 | 202.46 | 0.89 | 43.19 |
| 2.004 | 13.37 | 49.82 | 0.57 | 9.03 | 173.66 | 0.83 | 43.19 |
| 2.017 | 13.36 | 49.82 | 0.72 | 9.02 | 174.47 | 0.84 | 43.19 |
| 2.028 | 13.36 | 49.82 | 0.69 | 9.02 | 191.24 | 0.91 | 43.19 |
| 2.056 | 13.36 | 49.82 | 0.76 | 9.01 | 206.97 | 0.9  | 43.19 |
| 2.093 | 13.36 | 49.82 | 0.57 | 9.02 | 205.25 | 0.85 | 43.19 |
| 2.118 | 13.36 | 49.82 | 0.65 | 9.02 | 182.92 | 0.83 | 43.19 |
| 2.123 | 13.36 | 49.82 | 0.69 | 9.03 | 172.5  | 0.85 | 43.19 |
| 2.124 | 13.36 | 49.82 | 0.72 | 9.03 | 174.55 | 0.9  | 43.19 |
| 2.145 | 13.36 | 49.82 | 0.72 | 9.04 | 179.22 | 0.86 | 43.19 |
| 2.194 | 13.36 | 49.82 | 0.69 | 9.05 | 185.56 | 0.85 | 43.19 |
| 2.238 | 13.36 | 49.82 | 0.61 | 9.06 | 186.12 | 0.86 | 43.19 |
| 2.247 | 13.36 | 49.82 | 0.65 | 9.06 | 190.53 | 0.84 | 43.19 |
| 2.251 | 13.36 | 49.82 | 0.69 | 9.06 | 162.19 | 0.87 | 43.19 |
| 2.286 | 13.36 | 49.82 | 0.69 | 9.06 | 163.62 | 0.9  | 43.19 |
| 2.334 | 13.36 | 49.82 | 0.76 | 9.07 | 175.61 | 0.92 | 43.19 |
| 2.366 | 13.36 | 49.82 | 0.61 | 9.06 | 183.77 | 0.91 | 43.19 |
| 2.375 | 13.36 | 49.82 | 0.72 | 9.06 | 188.12 | 0.86 | 43.19 |
| 2.376 | 13.36 | 49.82 | 0.65 | 9.06 | 178.15 | 0.9  | 43.19 |
| 2.389 | 13.36 | 49.82 | 0.72 | 9.05 | 155.99 | 0.92 | 43.19 |
| 2.419 | 13.36 | 49.82 | 0.65 | 9.04 | 158.36 | 0.94 | 43.19 |
| 2.453 | 13.36 | 49.82 | 0.61 | 9.04 | 175.28 | 0.89 | 43.19 |
| 2.483 | 13.36 | 49.82 | 0.76 | 9.03 | 173.26 | 0.96 | 43.19 |
| 2.504 | 13.36 | 49.82 | 0.65 | 9.02 | 168.74 | 0.91 | 43.19 |
| 2.512 | 13.36 | 49.82 | 0.76 | 9.03 | 173.62 | 0.9  | 43.19 |
| 2.521 | 13.36 | 49.82 | 0.72 | 9.04 | 180.64 | 0.96 | 43.19 |
| 2.548 | 13.36 | 49.82 | 0.72 | 9.05 | 175.61 | 0.95 | 43.19 |
| 2.59  | 13.36 | 49.82 | 0.65 | 9.06 | 173.18 | 0.95 | 43.19 |
| 2.63  | 13.36 | 49.82 | 0.72 | 9.06 | 163.85 | 0.9  | 43.19 |
| 2.647 | 13.36 | 49.82 | 0.53 | 9.06 | 165.83 | 0.9  | 43.19 |
| 2.648 | 13.36 | 49.82 | 0.76 | 9.05 | 176.42 | 0.94 | 43.19 |
| 2.652 | 13.36 | 49.82 | 0.69 | 9.04 | 177.82 | 0.97 | 43.19 |
| 2.67  | 13.36 | 49.82 | 0.69 | 9.04 | 173.66 | 0.95 | 43.19 |
| 2.704 | 13.36 | 49.82 | 0.61 | 9.03 | 181.02 | 0.98 | 43.19 |
| 2.742 | 13.36 | 49.82 | 0.76 | 9.03 | 175.12 | 0.97 | 43.19 |
| 2.775 | 13.36 | 49.82 | 0.72 | 9.02 | 161.88 | 0.96 | 43.19 |
| 2.79  | 13.36 | 49.82 | 0.8  | 9.03 | 169.21 | 0.98 | 43.19 |
| 2.794 | 13.36 | 49.82 | 0.72 | 9.03 | 178.52 | 0.96 | 43.19 |
| 2.806 | 13.36 | 49.82 | 0.72 | 9.04 | 181.86 | 0.98 | 43.19 |
| 2.835 | 13.36 | 49.82 | 0.57 | 9.05 | 171.5  | 0.98 | 43.19 |
| 2.869 | 13.36 | 49.82 | 0.65 | 9.04 | 163.7  | 1.0  | 43.19 |
| 2.897 | 13.36 | 49.82 | 0.65 | 9.05 | 175.81 | 0.98 | 43.19 |
| 2.923 | 13.36 | 49.82 | 0.61 | 9.06 | 176.95 | 0.92 | 43.19 |
| 2.946 | 13.36 | 49.82 | 0.76 | 9.06 | 159.17 | 0.97 | 43.19 |
| 2.961 | 13.36 | 49.82 | 0.72 | 9.06 | 154.87 | 0.97 | 43.19 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.973 | 13.36 | 49.82 | 0.76 | 9.06 | 163.13 | 0.97 | 43.19 |
| 2.991 | 13.36 | 49.82 | 0.76 | 9.06 | 174.75 | 1.04 | 43.19 |
| 3.022 | 13.36 | 49.82 | 0.65 | 9.06 | 175.4  | 1.01 | 43.19 |
| 3.057 | 13.36 | 49.82 | 0.65 | 9.05 | 164.27 | 0.98 | 43.19 |
| 3.085 | 13.36 | 49.82 | 0.69 | 9.05 | 155.59 | 0.98 | 43.19 |
| 3.104 | 13.36 | 49.82 | 0.84 | 9.05 | 162.86 | 0.99 | 43.19 |
| 3.117 | 13.36 | 49.82 | 0.57 | 9.05 | 170.83 | 0.98 | 43.19 |
| 3.13  | 13.36 | 49.82 | 0.61 | 9.05 | 172.54 | 0.98 | 43.19 |
| 3.152 | 13.36 | 49.82 | 0.57 | 9.05 | 159.32 | 1.0  | 43.19 |
| 3.186 | 13.36 | 49.82 | 0.72 | 9.04 | 158.98 | 0.95 | 43.19 |
| 3.226 | 13.36 | 49.82 | 0.65 | 9.03 | 162.83 | 0.98 | 43.19 |
| 3.257 | 13.36 | 49.82 | 0.65 | 9.02 | 171.58 | 1.01 | 43.19 |
| 3.266 | 13.36 | 49.82 | 0.72 | 9.02 | 161.62 | 1.0  | 43.19 |
| 3.275 | 13.36 | 49.82 | 0.69 | 9.03 | 159.17 | 1.06 | 43.19 |
| 3.313 | 13.36 | 49.82 | 0.69 | 9.02 | 157.63 | 1.04 | 43.19 |
| 3.368 | 13.36 | 49.82 | 0.72 | 9.03 | 156.64 | 1.03 | 43.19 |
| 3.399 | 13.36 | 49.82 | 0.61 | 9.03 | 165.34 | 1.01 | 43.19 |
| 3.411 | 13.36 | 49.82 | 0.65 | 9.03 | 158.21 | 1.04 | 43.19 |
| 3.454 | 13.36 | 49.82 | 0.69 | 9.03 | 156.9  | 1.08 | 43.19 |
| 3.504 | 13.36 | 49.82 | 0.61 | 9.04 | 160.32 | 1.02 | 43.19 |
| 3.535 | 13.36 | 49.82 | 0.72 | 9.05 | 163.35 | 0.98 | 43.19 |
| 3.543 | 13.36 | 49.82 | 0.72 | 9.07 | 166.68 | 1.05 | 43.19 |
| 3.549 | 13.36 | 49.82 | 0.72 | 9.08 | 160.13 | 1.07 | 43.19 |
| 3.58  | 13.36 | 49.82 | 0.76 | 9.08 | 155.63 | 1.05 | 43.19 |
| 3.627 | 13.36 | 49.82 | 0.76 | 9.08 | 153.37 | 1.05 | 43.19 |
| 3.666 | 13.36 | 49.81 | 0.72 | 9.07 | 161.25 | 1.05 | 43.19 |
| 3.679 | 13.36 | 49.81 | 0.69 | 9.07 | 166.99 | 1.05 | 43.19 |
| 3.684 | 13.36 | 49.81 | 0.72 | 9.06 | 160.58 | 1.05 | 43.19 |
| 3.716 | 13.36 | 49.81 | 0.65 | 9.06 | 151.43 | 1.11 | 43.19 |
| 3.76  | 13.36 | 49.81 | 0.69 | 9.06 | 151.36 | 1.07 | 43.19 |
| 3.789 | 13.36 | 49.81 | 0.57 | 9.06 | 153.3  | 1.05 | 43.19 |
| 3.798 | 13.36 | 49.81 | 0.65 | 9.07 | 166.88 | 1.01 | 43.19 |
| 3.806 | 13.36 | 49.81 | 0.8  | 9.07 | 171.74 | 1.05 | 43.19 |
| 3.825 | 13.36 | 49.81 | 0.57 | 9.07 | 154.02 | 1.08 | 43.19 |
| 3.851 | 13.36 | 49.82 | 0.72 | 9.06 | 149.55 | 1.14 | 43.19 |
| 3.874 | 13.36 | 49.82 | 0.61 | 9.05 | 159.72 | 1.11 | 43.19 |
| 3.889 | 13.36 | 49.81 | 0.69 | 9.04 | 170.59 | 1.05 | 43.19 |
| 3.903 | 13.36 | 49.81 | 0.69 | 9.02 | 174.35 | 1.03 | 43.19 |
| 3.929 | 13.36 | 49.81 | 0.53 | 9.01 | 168.66 | 1.06 | 43.19 |
| 3.959 | 13.36 | 49.81 | 0.72 | 9.0  | 163.05 | 1.11 | 43.19 |
| 3.977 | 13.36 | 49.81 | 0.61 | 9.0  | 171.3  | 1.06 | 43.19 |
| 3.985 | 13.36 | 49.81 | 0.65 | 9.01 | 172.1  | 1.05 | 43.19 |
| 3.999 | 13.36 | 49.81 | 0.76 | 9.02 | 175.32 | 1.1  | 43.19 |
| 4.025 | 13.36 | 49.81 | 0.72 | 9.03 | 176.58 | 1.05 | 43.19 |
| 4.055 | 13.35 | 49.81 | 0.76 | 9.05 | 181.19 | 1.07 | 43.19 |
| 4.079 | 13.35 | 49.81 | 0.69 | 9.06 | 186.77 | 1.08 | 43.19 |
| 4.093 | 13.35 | 49.81 | 0.72 | 9.07 | 185.31 | 1.05 | 43.19 |
| 4.102 | 13.35 | 49.81 | 0.69 | 9.07 | 182.79 | 1.11 | 43.19 |
| 4.119 | 13.35 | 49.81 | 0.57 | 9.06 | 170.2  | 1.14 | 43.19 |
| 4.15  | 13.35 | 49.81 | 0.69 | 9.06 | 186.82 | 1.13 | 43.19 |
| 4.18  | 13.35 | 49.81 | 0.65 | 9.05 | 207.64 | 1.05 | 43.19 |
| 4.199 | 13.35 | 49.81 | 0.65 | 9.05 | 201.15 | 1.1  | 43.19 |
| 4.214 | 13.35 | 49.81 | 0.76 | 9.05 | 190.22 | 1.06 | 43.19 |
| 4.232 | 13.35 | 49.81 | 0.57 | 9.05 | 198.47 | 1.11 | 43.19 |
| 4.253 | 13.35 | 49.81 | 0.76 | 9.05 | 208.75 | 1.11 | 43.19 |
| 4.275 | 13.35 | 49.81 | 0.69 | 9.06 | 199.8  | 1.09 | 43.19 |
| 4.298 | 13.35 | 49.81 | 0.8  | 9.06 | 205.01 | 1.06 | 43.19 |
| 4.318 | 13.35 | 49.81 | 0.69 | 9.06 | 216.79 | 1.11 | 43.19 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.339 | 13.35 | 49.81 | 0.72 | 9.06 | 223.32 | 1.02 | 43.19 |
| 4.363 | 13.35 | 49.81 | 0.72 | 9.07 | 194.28 | 1.02 | 43.19 |
| 4.383 | 13.35 | 49.81 | 0.69 | 9.06 | 205.68 | 1.1  | 43.19 |
| 4.394 | 13.35 | 49.81 | 0.65 | 9.06 | 222.8  | 1.1  | 43.19 |
| 4.412 | 13.35 | 49.81 | 0.69 | 9.06 | 236.2  | 1.09 | 43.19 |
| 4.442 | 13.35 | 49.81 | 0.57 | 9.05 | 224.51 | 1.1  | 43.19 |
| 4.471 | 13.35 | 49.81 | 0.61 | 9.05 | 210.79 | 1.05 | 43.19 |
| 4.487 | 13.35 | 49.81 | 0.69 | 9.04 | 212.61 | 1.06 | 43.19 |
| 4.499 | 13.35 | 49.81 | 0.69 | 9.05 | 229.99 | 1.08 | 43.19 |
| 4.521 | 13.35 | 49.81 | 0.84 | 9.05 | 245.29 | 1.13 | 43.19 |
| 4.548 | 13.35 | 49.81 | 0.65 | 9.05 | 251.05 | 1.12 | 43.19 |
| 4.57  | 13.35 | 49.81 | 0.84 | 9.05 | 231.86 | 1.12 | 43.19 |
| 4.58  | 13.35 | 49.81 | 0.53 | 9.05 | 211.23 | 1.05 | 43.19 |
| 4.59  | 13.35 | 49.81 | 0.69 | 9.06 | 200.13 | 1.14 | 43.19 |
| 4.614 | 13.35 | 49.81 | 0.76 | 9.06 | 209.67 | 1.09 | 43.19 |
| 4.656 | 13.35 | 49.81 | 0.76 | 9.07 | 247.69 | 1.13 | 43.19 |
| 4.689 | 13.35 | 49.81 | 0.65 | 9.07 | 273.21 | 1.11 | 43.19 |
| 4.692 | 13.35 | 49.82 | 0.61 | 9.09 | 201.15 | 1.08 | 43.2  |
| 4.696 | 13.35 | 49.82 | 0.69 | 9.1  | 211.33 | 1.11 | 43.19 |
| 4.726 | 13.35 | 49.81 | 0.65 | 9.1  | 246.21 | 1.11 | 43.19 |
| 4.775 | 13.35 | 49.84 | 0.65 | 9.09 | 265.28 | 1.11 | 43.22 |
| 4.81  | 13.4  | 49.89 | 0.72 | 9.06 | 212.56 | 1.09 | 43.22 |
| 4.83  | 13.39 | 49.87 | 0.65 | 9.06 | 235.38 | 1.19 | 43.2  |
| 4.883 | 13.39 | 49.99 | 0.72 | 9.06 | 274.03 | 1.16 | 43.32 |
| 4.934 | 13.41 | 50.02 | 0.69 | 9.07 | 316.09 | 1.21 | 43.33 |
| 4.94  | 13.45 | 50.02 | 0.72 | 9.12 | 215.84 | 1.21 | 43.28 |
| 4.946 | 13.45 | 50.0  | 0.69 | 9.14 | 235.76 | 1.24 | 43.26 |
| 4.991 | 13.45 | 50.02 | 0.61 | 9.14 | 268.81 | 1.24 | 43.29 |
| 5.048 | 13.45 | 50.05 | 0.72 | 9.15 | 280.33 | 1.27 | 43.31 |
| 5.065 | 13.46 | 50.04 | 0.69 | 9.17 | 208.56 | 1.17 | 43.3  |
| 5.072 | 13.46 | 50.03 | 0.72 | 9.17 | 226.44 | 1.22 | 43.28 |
| 5.105 | 13.46 | 50.03 | 0.8  | 9.17 | 244.27 | 1.28 | 43.28 |
| 5.146 | 13.46 | 50.03 | 0.61 | 9.16 | 263.26 | 1.24 | 43.29 |
| 5.176 | 13.46 | 50.04 | 0.88 | 9.17 | 261.68 | 1.16 | 43.29 |
| 5.191 | 13.46 | 50.04 | 0.69 | 9.16 | 246.49 | 1.26 | 43.29 |
| 5.212 | 13.46 | 50.04 | 0.76 | 9.16 | 252.39 | 1.18 | 43.29 |
| 5.25  | 13.46 | 50.04 | 0.88 | 9.16 | 265.28 | 1.21 | 43.29 |
| 5.288 | 13.46 | 50.04 | 0.69 | 9.17 | 266.7  | 1.19 | 43.29 |
| 5.31  | 13.46 | 50.05 | 0.84 | 9.18 | 249.48 | 1.21 | 43.3  |
| 5.314 | 13.46 | 50.05 | 0.92 | 9.17 | 225.81 | 1.14 | 43.3  |
| 5.316 | 13.46 | 50.05 | 0.72 | 9.17 | 228.39 | 1.21 | 43.3  |
| 5.331 | 13.46 | 50.04 | 0.72 | 9.17 | 241.12 | 1.2  | 43.29 |
| 5.362 | 13.46 | 50.05 | 0.76 | 9.17 | 263.69 | 1.16 | 43.29 |
| 5.394 | 13.46 | 50.05 | 0.61 | 9.17 | 272.51 | 1.17 | 43.3  |
| 5.413 | 13.46 | 50.05 | 0.65 | 9.16 | 250.81 | 1.17 | 43.3  |
| 5.428 | 13.46 | 50.05 | 0.76 | 9.16 | 232.51 | 1.15 | 43.3  |
| 5.443 | 13.46 | 50.05 | 0.76 | 9.16 | 239.73 | 1.19 | 43.3  |
| 5.458 | 13.46 | 50.05 | 0.72 | 9.16 | 242.97 | 1.14 | 43.3  |
| 5.474 | 13.46 | 50.05 | 0.72 | 9.18 | 233.91 | 1.15 | 43.3  |
| 5.499 | 13.46 | 50.05 | 0.65 | 9.17 | 238.12 | 1.13 | 43.3  |
| 5.525 | 13.46 | 50.05 | 0.84 | 9.19 | 224.87 | 1.15 | 43.3  |
| 5.548 | 13.46 | 50.05 | 0.84 | 9.17 | 213.3  | 1.17 | 43.3  |
| 5.566 | 13.46 | 50.05 | 0.95 | 9.19 | 211.87 | 1.21 | 43.3  |
| 5.582 | 13.46 | 50.05 | 0.65 | 9.19 | 222.75 | 1.16 | 43.3  |
| 5.597 | 13.46 | 50.05 | 0.69 | 9.16 | 238.84 | 1.14 | 43.3  |
| 5.619 | 13.46 | 50.05 | 0.76 | 9.15 | 229.24 | 1.16 | 43.3  |
| 5.652 | 13.46 | 50.05 | 0.69 | 9.18 | 211.43 | 1.16 | 43.3  |
| 5.682 | 13.46 | 50.05 | 0.84 | 9.18 | 199.94 | 1.14 | 43.3  |

|       |       |       |      |      |        |      |      |
|-------|-------|-------|------|------|--------|------|------|
| 5.693 | 13.46 | 50.05 | 0.65 | 9.19 | 203.45 | 1.14 | 43.3 |
| 5.703 | 13.46 | 50.05 | 0.84 | 9.19 | 204.87 | 1.19 | 43.3 |
| 5.725 | 13.46 | 50.05 | 0.69 | 9.19 | 215.29 | 1.21 | 43.3 |
| 5.736 | 13.46 | 50.05 | 0.72 | 9.15 | 195.95 | 1.14 | 43.3 |
| 5.743 | 13.46 | 50.05 | 0.84 | 9.13 | 194.37 | 1.15 | 43.3 |
| 5.77  | 13.46 | 50.05 | 0.76 | 9.13 | 206.06 | 1.2  | 43.3 |
| 5.802 | 13.46 | 50.05 | 0.8  | 9.14 | 214.54 | 1.16 | 43.3 |
| 5.818 | 13.46 | 50.05 | 0.69 | 9.14 | 191.86 | 1.17 | 43.3 |
| 5.829 | 13.46 | 50.05 | 0.72 | 9.14 | 197.14 | 1.18 | 43.3 |
| 5.861 | 13.46 | 50.05 | 0.88 | 9.14 | 198.33 | 1.15 | 43.3 |
| 5.897 | 13.46 | 50.05 | 0.88 | 9.14 | 188.69 | 1.21 | 43.3 |
| 5.916 | 13.46 | 50.05 | 0.8  | 9.14 | 190.27 | 1.17 | 43.3 |
| 5.922 | 13.46 | 50.05 | 0.76 | 9.14 | 201.81 | 1.2  | 43.3 |
| 5.925 | 13.46 | 50.05 | 0.84 | 9.15 | 201.29 | 1.16 | 43.3 |
| 5.94  | 13.46 | 50.05 | 0.72 | 9.15 | 194.05 | 1.16 | 43.3 |
| 5.972 | 13.46 | 50.05 | 0.76 | 9.15 | 192.53 | 1.18 | 43.3 |
| 6.0   | 13.46 | 50.05 | 0.76 | 9.14 | 194.86 | 1.17 | 43.3 |
| 6.015 | 13.46 | 50.05 | 0.76 | 9.14 | 199.8  | 1.18 | 43.3 |
| 6.021 | 13.46 | 50.05 | 0.72 | 9.13 | 203.73 | 1.16 | 43.3 |
| 6.034 | 13.46 | 50.05 | 0.65 | 9.12 | 199.25 | 1.17 | 43.3 |
| 6.059 | 13.46 | 50.05 | 0.8  | 9.12 | 196.77 | 1.18 | 43.3 |
| 6.091 | 13.46 | 50.05 | 0.61 | 9.12 | 196.45 | 1.17 | 43.3 |
| 6.112 | 13.46 | 50.05 | 0.88 | 9.12 | 193.2  | 1.2  | 43.3 |
| 6.116 | 13.47 | 50.05 | 0.88 | 9.12 | 193.42 | 1.23 | 43.3 |
| 6.123 | 13.47 | 50.05 | 0.8  | 9.12 | 199.48 | 1.27 | 43.3 |
| 6.141 | 13.47 | 50.05 | 0.8  | 9.12 | 199.99 | 1.21 | 43.3 |
| 6.145 | 13.47 | 50.06 | 0.76 | 9.13 | 189.21 | 1.17 | 43.3 |
| 6.148 | 13.47 | 50.06 | 0.76 | 9.14 | 177.2  | 1.17 | 43.3 |
| 6.158 | 13.47 | 50.06 | 0.84 | 9.15 | 175.2  | 1.21 | 43.3 |
| 6.161 | 13.47 | 50.06 | 0.72 | 9.16 | 180.43 | 1.19 | 43.3 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| <b>MÍNIMO</b>        | 13.55      | 50.0                | 0.0            | 7.72           | 133.18                      | 0.37              | 43.15           |
| <b>PROF (metros)</b> | 0.723      | 0.723               | 0.723          | 1.252          | 1.718                       | 0.723             | 0.723           |
| <b>MÁXIMO</b>        | 13.57      | 13.57               | 1.3            | 7.81           | 257.41                      | 0.47              | 43.16           |
| <b>PROF (metros)</b> | 1.651      | 1.62                | 0.763          | 1.083          | 0.723                       | 1.361             | 0.809           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD P03 - Punto 011 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.55      | 50.0                | 0.44           | 7.74           | 204.89                      | 0.41              | 43.15           |
| 1 - 2m              | 13.56      | 50.01               | 0.46           | 7.77           | 159.82                      | 0.42              | 43.15           |

**OBSERVACIONES GENERALES**

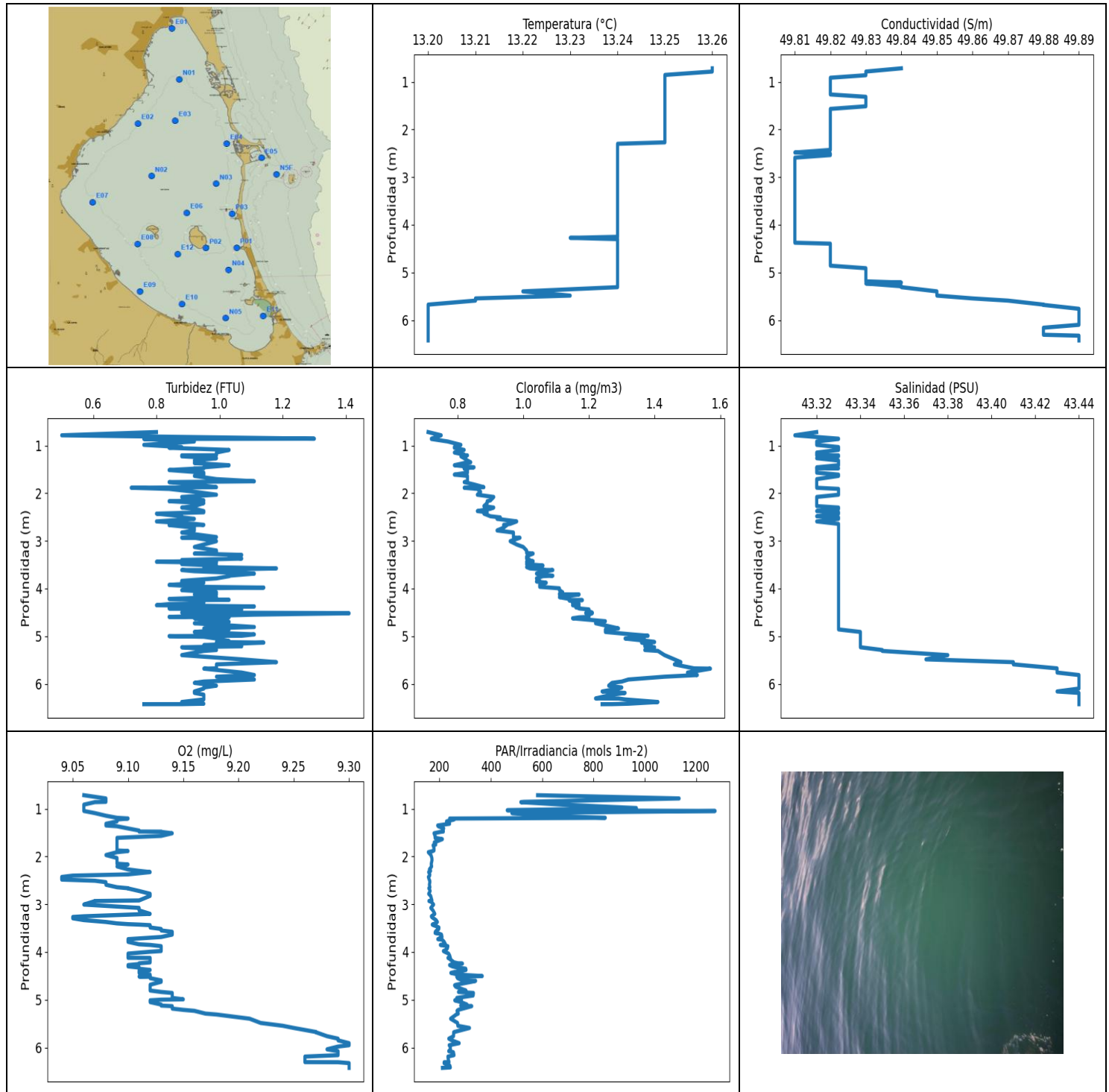
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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.723           | 13.55      | 50.0                | 0.0            | 7.76           | 257.41                      | 0.37              | 43.15           |
| 0.728           | 13.55      | 50.0                | 0.46           | 7.77           | 195.54                      | 0.39              | 43.15           |
| 0.732           | 13.55      | 50.0                | 0.11           | 7.76           | 205.11                      | 0.4               | 43.15           |
| 0.763           | 13.55      | 50.0                | 1.3            | 7.75           | 207.59                      | 0.4               | 43.15           |
| 0.809           | 13.55      | 50.01               | 0.15           | 7.74           | 226.76                      | 0.43              | 43.16           |
| 0.834           | 13.55      | 50.0                | 0.23           | 7.73           | 205.49                      | 0.39              | 43.15           |
| 0.842           | 13.55      | 50.0                | 0.19           | 7.74           | 200.36                      | 0.38              | 43.15           |
| 0.859           | 13.55      | 50.0                | 0.69           | 7.73           | 222.23                      | 0.41              | 43.15           |
| 0.897           | 13.55      | 50.0                | 0.57           | 7.73           | 215.09                      | 0.41              | 43.15           |
| 0.93            | 13.55      | 50.0                | 0.38           | 7.74           | 199.3                       | 0.43              | 43.15           |
| 0.953           | 13.55      | 50.0                | 0.19           | 7.73           | 184.83                      | 0.41              | 43.15           |
| 0.968           | 13.55      | 50.0                | 0.53           | 7.74           | 199.48                      | 0.42              | 43.15           |
| 0.99            | 13.55      | 50.0                | 0.5            | 7.76           | 196.91                      | 0.46              | 43.15           |
| 1.019           | 13.55      | 50.0                | 0.42           | 7.74           | 177.16                      | 0.44              | 43.15           |
| 1.047           | 13.55      | 50.0                | 0.5            | 7.77           | 188.16                      | 0.46              | 43.15           |
| 1.065           | 13.55      | 50.0                | 0.57           | 7.77           | 181.02                      | 0.43              | 43.15           |
| 1.083           | 13.55      | 50.0                | 0.46           | 7.81           | 177.61                      | 0.41              | 43.15           |
| 1.113           | 13.55      | 50.0                | 0.42           | 7.8            | 171.94                      | 0.42              | 43.15           |
| 1.145           | 13.55      | 50.0                | 0.3            | 7.81           | 195.32                      | 0.4               | 43.15           |
| 1.167           | 13.55      | 50.0                | 0.57           | 7.8            | 174.91                      | 0.4               | 43.15           |
| 1.182           | 13.55      | 50.01               | 0.5            | 7.8            | 160.76                      | 0.45              | 43.15           |
| 1.208           | 13.55      | 50.01               | 0.42           | 7.77           | 159.58                      | 0.41              | 43.15           |
| 1.234           | 13.55      | 50.01               | 0.42           | 7.75           | 167.15                      | 0.4               | 43.15           |
| 1.252           | 13.55      | 50.01               | 0.46           | 7.72           | 179.39                      | 0.43              | 43.15           |
| 1.27            | 13.55      | 50.01               | 0.42           | 7.72           | 173.62                      | 0.4               | 43.15           |
| 1.298           | 13.55      | 50.01               | 0.53           | 7.72           | 154.27                      | 0.4               | 43.15           |
| 1.335           | 13.55      | 50.01               | 0.53           | 7.72           | 152.66                      | 0.42              | 43.15           |
| 1.361           | 13.55      | 50.01               | 0.46           | 7.73           | 154.05                      | 0.47              | 43.16           |
| 1.365           | 13.56      | 50.01               | 0.46           | 7.75           | 162.34                      | 0.42              | 43.16           |
| 1.368           | 13.56      | 50.01               | 0.53           | 7.76           | 160.8                       | 0.41              | 43.15           |
| 1.398           | 13.56      | 50.01               | 0.46           | 7.76           | 157.59                      | 0.42              | 43.15           |
| 1.452           | 13.56      | 50.01               | 0.42           | 7.77           | 146.22                      | 0.42              | 43.16           |
| 1.492           | 13.56      | 50.01               | 0.5            | 7.76           | 147.89                      | 0.43              | 43.15           |
| 1.498           | 13.56      | 50.01               | 0.38           | 7.79           | 161.62                      | 0.4               | 43.15           |
| 1.51            | 13.56      | 50.01               | 0.46           | 7.76           | 156.93                      | 0.38              | 43.15           |
| 1.562           | 13.56      | 50.01               | 0.53           | 7.78           | 136.18                      | 0.37              | 43.15           |
| 1.62            | 13.56      | 50.02               | 0.5            | 7.78           | 141.95                      | 0.43              | 43.16           |
| 1.65            | 13.56      | 50.02               | 0.5            | 7.79           | 147.35                      | 0.43              | 43.15           |
| 1.651           | 13.57      | 50.02               | 0.34           | 7.8            | 149.44                      | 0.41              | 43.16           |
| 1.669           | 13.57      | 50.02               | 0.38           | 7.8            | 141.75                      | 0.4               | 43.15           |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.7   | 13.57 | 50.02 | 0.42 | 7.79 | 144.4  | 0.42 | 43.15 |
| 1.718 | 13.57 | 50.02 | 0.46 | 7.8  | 133.18 | 0.43 | 43.15 |
| 1.719 | 13.56 | 50.02 | 0.42 | 7.79 | 139.47 | 0.41 | 43.15 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.2       | 49.81               | 0.5            | 9.04           | 156.1                       | 0.71                           | 43.31           |
| <b>PROF (metros)</b> | 5.675      | 2.483               | 0.784          | 2.428          | 1.909                       | 0.716                          | 0.784           |
| <b>MÁXIMO</b>        | 13.26      | 13.26               | 1.41           | 9.3            | 1273.4                      | 1.57                           | 43.44           |
| <b>PROF (metros)</b> | 0.716      | 5.763               | 4.519          | 5.909          | 1.046                       | 5.681                          | 5.815           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E06 - Punto 012 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.26      | 49.83               | 0.84           | 9.07           | 734.0                       | 0.75              | 43.32           |
| 1 - 2m              | 13.25      | 49.82               | 0.93           | 9.09           | 293.77                      | 0.83              | 43.33           |
| 2 - 3m              | 13.24      | 49.82               | 0.91           | 9.09           | 162.97                      | 0.92              | 43.33           |
| 3 - 4m              | 13.24      | 49.81               | 0.97           | 9.11           | 193.94                      | 1.04              | 43.33           |
| 4 - 5m              | 13.24      | 49.82               | 0.98           | 9.12           | 274.18                      | 1.19              | 43.33           |
| 5 - 6m              | 13.22      | 49.86               | 1.01           | 9.21           | 269.7                       | 1.41              | 43.38           |
| 6 - 7m              | 13.2       | 49.89               | 0.92           | 9.29           | 233.66                      | 1.29              | 43.44           |

**OBSERVACIONES GENERALES**

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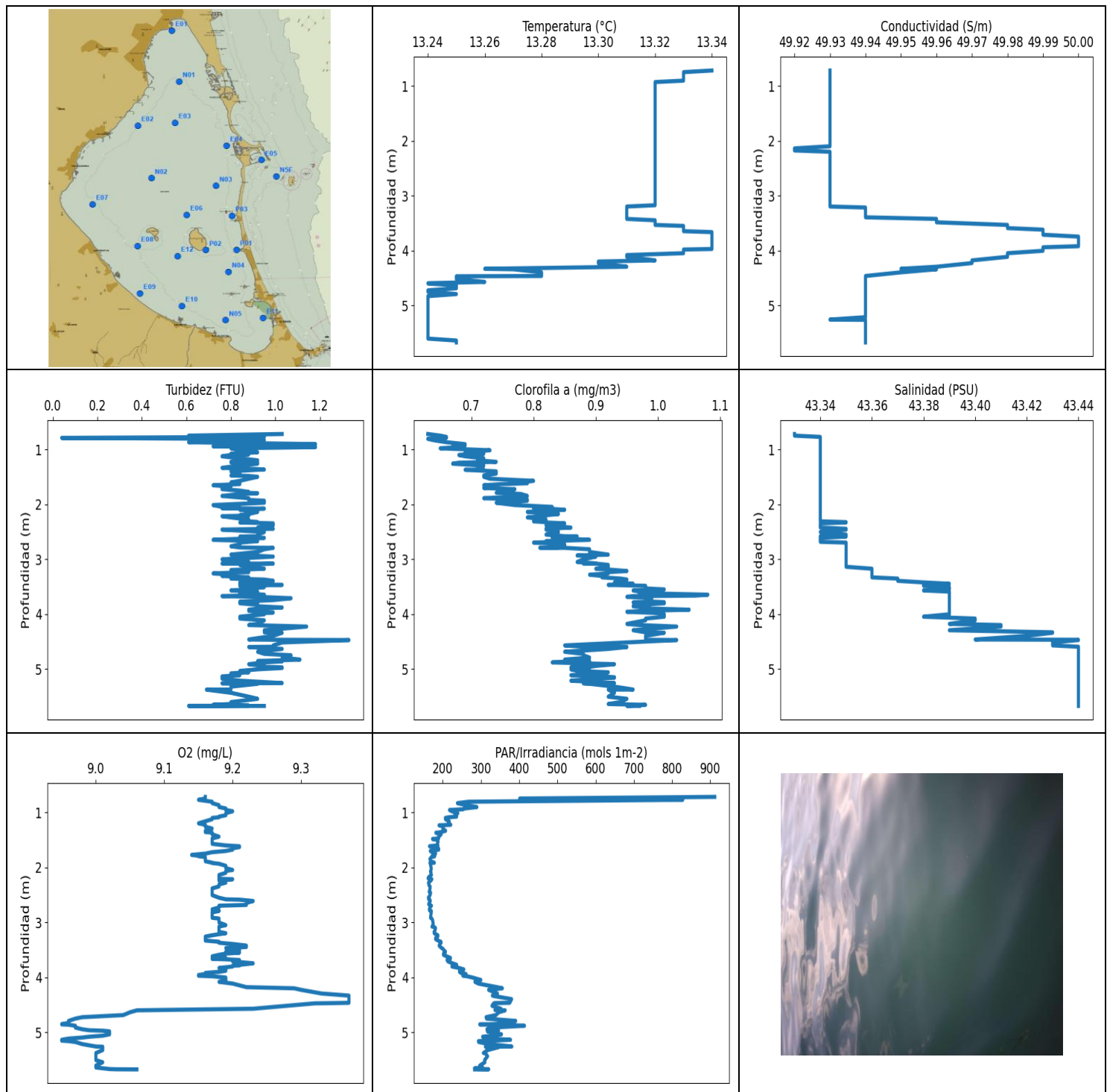
**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.716           | 13.26      | 49.84               | 0.8            | 9.06           | 581.89                      | 0.71              | 43.32           |
| 0.784           | 13.26      | 49.83               | 0.5            | 9.08           | 1133.3                      | 0.75              | 43.31           |
| 0.855           | 13.25      | 49.83               | 1.3            | 9.08           | 528.16                      | 0.72              | 43.33           |
| 0.861           | 13.25      | 49.83               | 0.76           | 9.07           | 516.54                      | 0.72              | 43.33           |
| 0.914           | 13.25      | 49.82               | 0.92           | 9.06           | 677.45                      | 0.77              | 43.32           |
| 0.985           | 13.25      | 49.82               | 0.76           | 9.06           | 966.69                      | 0.81              | 43.32           |
| 1.031           | 13.25      | 49.82               | 0.88           | 9.06           | 463.55                      | 0.79              | 43.33           |
| 1.046           | 13.25      | 49.82               | 0.84           | 9.06           | 1273.4                      | 0.79              | 43.33           |
| 1.091           | 13.25      | 49.82               | 1.03           | 9.07           | 481.73                      | 0.82              | 43.33           |
| 1.146           | 13.25      | 49.82               | 0.99           | 9.08           | 601.92                      | 0.79              | 43.32           |
| 1.189           | 13.25      | 49.82               | 0.99           | 9.09           | 845.68                      | 0.82              | 43.32           |
| 1.203           | 13.25      | 49.82               | 0.99           | 9.1            | 301.14                      | 0.82              | 43.32           |
| 1.205           | 13.25      | 49.82               | 0.88           | 9.1            | 239.23                      | 0.83              | 43.33           |
| 1.225           | 13.25      | 49.82               | 0.88           | 9.09           | 256.46                      | 0.81              | 43.33           |
| 1.265           | 13.25      | 49.82               | 0.99           | 9.09           | 227.07                      | 0.82              | 43.32           |
| 1.314           | 13.25      | 49.83               | 0.92           | 9.08           | 239.06                      | 0.83              | 43.33           |
| 1.35            | 13.25      | 49.83               | 0.95           | 9.08           | 192.57                      | 0.84              | 43.33           |
| 1.366           | 13.25      | 49.83               | 0.92           | 9.09           | 195.05                      | 0.82              | 43.33           |
| 1.412           | 13.25      | 49.83               | 1.03           | 9.1            | 216.09                      | 0.79              | 43.33           |
| 1.456           | 13.25      | 49.83               | 0.95           | 9.11           | 211.09                      | 0.85              | 43.32           |
| 1.477           | 13.25      | 49.83               | 0.95           | 9.11           | 214.79                      | 0.82              | 43.33           |
| 1.479           | 13.25      | 49.83               | 0.92           | 9.13           | 209.67                      | 0.83              | 43.32           |
| 1.484           | 13.25      | 49.83               | 0.92           | 9.13           | 203.78                      | 0.82              | 43.32           |
| 1.513           | 13.25      | 49.83               | 0.84           | 9.14           | 178.44                      | 0.83              | 43.32           |
| 1.568           | 13.25      | 49.82               | 0.95           | 9.13           | 182.58                      | 0.83              | 43.32           |
| 1.609           | 13.25      | 49.82               | 0.95           | 9.09           | 182.49                      | 0.79              | 43.33           |
| 1.636           | 13.25      | 49.82               | 0.92           | 9.09           | 210.99                      | 0.83              | 43.33           |
| 1.704           | 13.25      | 49.82               | 0.99           | 9.09           | 179.27                      | 0.83              | 43.32           |
| 1.749           | 13.25      | 49.82               | 1.11           | 9.09           | 185.18                      | 0.83              | 43.32           |
| 1.766           | 13.25      | 49.82               | 0.84           | 9.09           | 174.75                      | 0.82              | 43.32           |
| 1.816           | 13.25      | 49.82               | 0.92           | 9.09           | 178.27                      | 0.85              | 43.32           |
| 1.873           | 13.25      | 49.82               | 0.99           | 9.09           | 178.35                      | 0.88              | 43.32           |
| 1.885           | 13.25      | 49.82               | 0.72           | 9.1            | 174.03                      | 0.82              | 43.32           |
| 1.909           | 13.25      | 49.82               | 0.84           | 9.09           | 156.1                       | 0.86              | 43.33           |
| 1.969           | 13.25      | 49.82               | 0.92           | 9.08           | 166.53                      | 0.87              | 43.33           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.031 | 13.25 | 49.82 | 0.99 | 9.09 | 169.96 | 0.86 | 43.33 |
| 2.078 | 13.25 | 49.82 | 0.88 | 9.09 | 170.51 | 0.91 | 43.32 |
| 2.15  | 13.25 | 49.82 | 0.95 | 9.09 | 167.69 | 0.9  | 43.32 |
| 2.167 | 13.25 | 49.82 | 0.84 | 9.1  | 167.73 | 0.89 | 43.32 |
| 2.207 | 13.25 | 49.82 | 0.95 | 9.09 | 169.13 | 0.89 | 43.32 |
| 2.27  | 13.25 | 49.82 | 0.92 | 9.1  | 160.35 | 0.88 | 43.32 |
| 2.3   | 13.24 | 49.82 | 0.88 | 9.11 | 165.11 | 0.91 | 43.33 |
| 2.326 | 13.24 | 49.82 | 0.92 | 9.12 | 157.41 | 0.9  | 43.33 |
| 2.374 | 13.24 | 49.82 | 0.95 | 9.1  | 161.96 | 0.86 | 43.32 |
| 2.4   | 13.24 | 49.82 | 0.95 | 9.05 | 161.44 | 0.89 | 43.33 |
| 2.428 | 13.24 | 49.82 | 0.8  | 9.04 | 156.43 | 0.88 | 43.33 |
| 2.483 | 13.24 | 49.81 | 0.88 | 9.04 | 159.69 | 0.9  | 43.32 |
| 2.507 | 13.24 | 49.82 | 0.88 | 9.07 | 161.85 | 0.93 | 43.33 |
| 2.537 | 13.24 | 49.82 | 0.92 | 9.08 | 162.11 | 0.92 | 43.33 |
| 2.591 | 13.24 | 49.81 | 0.8  | 9.08 | 160.39 | 0.98 | 43.32 |
| 2.643 | 13.24 | 49.81 | 0.92 | 9.09 | 162.3  | 0.96 | 43.33 |
| 2.664 | 13.24 | 49.81 | 0.95 | 9.1  | 158.18 | 0.94 | 43.33 |
| 2.668 | 13.24 | 49.81 | 0.84 | 9.1  | 159.43 | 0.95 | 43.33 |
| 2.722 | 13.24 | 49.81 | 0.92 | 9.11 | 163.24 | 0.94 | 43.33 |
| 2.781 | 13.24 | 49.81 | 0.92 | 9.12 | 157.66 | 0.92 | 43.33 |
| 2.824 | 13.24 | 49.81 | 0.88 | 9.12 | 165.22 | 0.97 | 43.33 |
| 2.92  | 13.24 | 49.81 | 0.99 | 9.11 | 170.2  | 0.97 | 43.33 |
| 2.932 | 13.24 | 49.81 | 0.88 | 9.07 | 158.58 | 0.97 | 43.33 |
| 2.934 | 13.24 | 49.81 | 0.92 | 9.07 | 164.8  | 0.99 | 43.33 |
| 3.006 | 13.24 | 49.81 | 0.99 | 9.06 | 176.83 | 0.96 | 43.33 |
| 3.076 | 13.24 | 49.81 | 0.95 | 9.11 | 165.8  | 0.98 | 43.33 |
| 3.128 | 13.24 | 49.81 | 0.92 | 9.11 | 174.27 | 1.0  | 43.33 |
| 3.201 | 13.24 | 49.81 | 0.99 | 9.12 | 181.4  | 1.01 | 43.33 |
| 3.252 | 13.24 | 49.81 | 0.99 | 9.06 | 168.04 | 1.01 | 43.33 |
| 3.266 | 13.24 | 49.81 | 0.92 | 9.05 | 169.13 | 1.03 | 43.33 |
| 3.294 | 13.24 | 49.81 | 1.07 | 9.05 | 176.14 | 1.02 | 43.33 |
| 3.332 | 13.24 | 49.81 | 1.03 | 9.06 | 186.43 | 1.01 | 43.33 |
| 3.371 | 13.24 | 49.81 | 1.07 | 9.08 | 191.37 | 1.01 | 43.33 |
| 3.401 | 13.24 | 49.81 | 0.88 | 9.09 | 184.19 | 1.02 | 43.33 |
| 3.417 | 13.24 | 49.81 | 0.99 | 9.1  | 174.67 | 1.02 | 43.33 |
| 3.426 | 13.24 | 49.81 | 0.92 | 9.11 | 171.5  | 1.03 | 43.33 |
| 3.438 | 13.24 | 49.81 | 0.8  | 9.12 | 175.97 | 1.01 | 43.33 |
| 3.459 | 13.24 | 49.81 | 0.99 | 9.12 | 186.99 | 1.02 | 43.33 |
| 3.487 | 13.24 | 49.81 | 0.88 | 9.12 | 197.5  | 1.01 | 43.33 |
| 3.518 | 13.24 | 49.81 | 0.99 | 9.13 | 196.86 | 1.06 | 43.33 |
| 3.549 | 13.24 | 49.81 | 0.95 | 9.13 | 188.69 | 1.01 | 43.33 |
| 3.577 | 13.24 | 49.81 | 1.18 | 9.14 | 183.6  | 1.02 | 43.33 |
| 3.6   | 13.24 | 49.81 | 1.03 | 9.14 | 182.54 | 1.06 | 43.33 |
| 3.61  | 13.24 | 49.81 | 0.99 | 9.14 | 188.86 | 1.07 | 43.33 |
| 3.612 | 13.24 | 49.81 | 0.88 | 9.14 | 195.86 | 1.09 | 43.33 |
| 3.636 | 13.24 | 49.81 | 0.92 | 9.14 | 207.64 | 1.07 | 43.33 |
| 3.686 | 13.24 | 49.81 | 1.11 | 9.13 | 209.48 | 1.04 | 43.33 |
| 3.731 | 13.24 | 49.81 | 1.03 | 9.1  | 193.16 | 1.09 | 43.33 |
| 3.74  | 13.24 | 49.81 | 1.03 | 9.1  | 209.58 | 1.06 | 43.33 |
| 3.787 | 13.24 | 49.81 | 0.99 | 9.1  | 217.8  | 1.04 | 43.33 |
| 3.839 | 13.24 | 49.81 | 0.88 | 9.11 | 222.9  | 1.05 | 43.33 |
| 3.852 | 13.24 | 49.81 | 0.88 | 9.12 | 203.03 | 1.04 | 43.33 |
| 3.878 | 13.24 | 49.81 | 0.95 | 9.13 | 232.34 | 1.07 | 43.33 |
| 3.924 | 13.24 | 49.81 | 0.84 | 9.13 | 230.36 | 1.05 | 43.33 |
| 3.964 | 13.24 | 49.81 | 0.95 | 9.13 | 222.23 | 1.05 | 43.33 |
| 3.98  | 13.24 | 49.81 | 1.14 | 9.13 | 214.89 | 1.08 | 43.33 |
| 3.995 | 13.24 | 49.81 | 0.92 | 9.12 | 219.88 | 1.11 | 43.33 |
| 4.034 | 13.24 | 49.81 | 0.88 | 9.1  | 235.27 | 1.11 | 43.33 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.078 | 13.24 | 49.81 | 0.99 | 9.1  | 239.73 | 1.12 | 43.33 |
| 4.11  | 13.24 | 49.81 | 0.95 | 9.1  | 240.23 | 1.11 | 43.33 |
| 4.122 | 13.24 | 49.81 | 0.95 | 9.1  | 234.89 | 1.11 | 43.33 |
| 4.123 | 13.24 | 49.81 | 0.92 | 9.11 | 232.61 | 1.14 | 43.33 |
| 4.124 | 13.24 | 49.81 | 0.99 | 9.12 | 242.19 | 1.17 | 43.33 |
| 4.144 | 13.24 | 49.81 | 0.95 | 9.12 | 238.84 | 1.15 | 43.33 |
| 4.181 | 13.24 | 49.81 | 0.99 | 9.12 | 247.64 | 1.11 | 43.33 |
| 4.218 | 13.24 | 49.81 | 0.84 | 9.12 | 256.93 | 1.14 | 43.33 |
| 4.237 | 13.24 | 49.81 | 1.03 | 9.11 | 272.13 | 1.14 | 43.33 |
| 4.243 | 13.24 | 49.81 | 0.92 | 9.11 | 289.24 | 1.18 | 43.33 |
| 4.252 | 13.24 | 49.81 | 0.92 | 9.11 | 252.1  | 1.14 | 43.33 |
| 4.274 | 13.23 | 49.81 | 0.95 | 9.1  | 239.12 | 1.16 | 43.33 |
| 4.301 | 13.24 | 49.81 | 0.95 | 9.1  | 249.6  | 1.15 | 43.33 |
| 4.326 | 13.24 | 49.81 | 0.84 | 9.11 | 269.5  | 1.17 | 43.33 |
| 4.35  | 13.24 | 49.81 | 0.8  | 9.11 | 302.05 | 1.15 | 43.33 |
| 4.376 | 13.24 | 49.81 | 1.11 | 9.12 | 303.17 | 1.17 | 43.33 |
| 4.396 | 13.24 | 49.82 | 0.92 | 9.11 | 288.37 | 1.16 | 43.33 |
| 4.408 | 13.24 | 49.82 | 0.95 | 9.11 | 275.43 | 1.17 | 43.33 |
| 4.418 | 13.24 | 49.82 | 0.84 | 9.11 | 259.33 | 1.17 | 43.33 |
| 4.438 | 13.24 | 49.82 | 1.07 | 9.11 | 243.99 | 1.2  | 43.33 |
| 4.474 | 13.24 | 49.82 | 1.03 | 9.12 | 274.29 | 1.2  | 43.33 |
| 4.504 | 13.24 | 49.82 | 0.88 | 9.12 | 366.38 | 1.21 | 43.33 |
| 4.514 | 13.24 | 49.82 | 1.33 | 9.11 | 303.38 | 1.19 | 43.33 |
| 4.519 | 13.24 | 49.82 | 1.41 | 9.12 | 266.95 | 1.21 | 43.33 |
| 4.548 | 13.24 | 49.82 | 1.11 | 9.12 | 270.37 | 1.2  | 43.33 |
| 4.595 | 13.24 | 49.82 | 0.84 | 9.13 | 288.9  | 1.2  | 43.33 |
| 4.604 | 13.24 | 49.82 | 1.03 | 9.13 | 340.58 | 1.17 | 43.33 |
| 4.624 | 13.24 | 49.82 | 0.92 | 9.13 | 324.7  | 1.15 | 43.33 |
| 4.686 | 13.24 | 49.82 | 0.99 | 9.12 | 264.12 | 1.25 | 43.33 |
| 4.698 | 13.24 | 49.82 | 1.03 | 9.12 | 258.43 | 1.23 | 43.33 |
| 4.728 | 13.24 | 49.82 | 0.92 | 9.12 | 263.02 | 1.22 | 43.33 |
| 4.807 | 13.24 | 49.82 | 1.11 | 9.12 | 302.82 | 1.27 | 43.33 |
| 4.837 | 13.24 | 49.82 | 0.95 | 9.13 | 273.65 | 1.29 | 43.33 |
| 4.858 | 13.24 | 49.82 | 1.03 | 9.14 | 332.01 | 1.25 | 43.33 |
| 4.911 | 13.24 | 49.83 | 0.92 | 9.14 | 330.7  | 1.25 | 43.34 |
| 4.962 | 13.24 | 49.83 | 1.11 | 9.14 | 267.07 | 1.33 | 43.34 |
| 4.991 | 13.24 | 49.83 | 1.07 | 9.15 | 267.82 | 1.38 | 43.34 |
| 4.998 | 13.24 | 49.83 | 0.84 | 9.13 | 285.31 | 1.35 | 43.34 |
| 5.012 | 13.24 | 49.83 | 0.95 | 9.12 | 259.15 | 1.37 | 43.34 |
| 5.049 | 13.24 | 49.83 | 0.99 | 9.12 | 283.86 | 1.31 | 43.34 |
| 5.101 | 13.24 | 49.83 | 1.03 | 9.13 | 306.92 | 1.38 | 43.34 |
| 5.122 | 13.24 | 49.83 | 0.99 | 9.13 | 282.35 | 1.4  | 43.34 |
| 5.134 | 13.24 | 49.83 | 1.14 | 9.14 | 325.38 | 1.36 | 43.34 |
| 5.186 | 13.24 | 49.83 | 0.95 | 9.14 | 290.04 | 1.39 | 43.34 |
| 5.212 | 13.24 | 49.84 | 1.07 | 9.15 | 272.89 | 1.37 | 43.34 |
| 5.232 | 13.24 | 49.83 | 0.88 | 9.16 | 267.94 | 1.4  | 43.34 |
| 5.29  | 13.24 | 49.84 | 0.99 | 9.17 | 272.89 | 1.37 | 43.35 |
| 5.309 | 13.24 | 49.84 | 0.95 | 9.18 | 265.22 | 1.41 | 43.35 |
| 5.397 | 13.22 | 49.85 | 0.88 | 9.21 | 242.97 | 1.43 | 43.38 |
| 5.486 | 13.23 | 49.85 | 1.07 | 9.22 | 270.12 | 1.46 | 43.37 |
| 5.545 | 13.21 | 49.86 | 1.18 | 9.24 | 271.25 | 1.48 | 43.41 |
| 5.591 | 13.21 | 49.87 | 0.99 | 9.25 | 316.6  | 1.46 | 43.41 |
| 5.675 | 13.2  | 49.88 | 0.99 | 9.27 | 257.59 | 1.52 | 43.43 |
| 5.681 | 13.2  | 49.88 | 0.95 | 9.27 | 254.92 | 1.57 | 43.43 |
| 5.763 | 13.2  | 49.89 | 1.07 | 9.28 | 254.5  | 1.5  | 43.43 |
| 5.815 | 13.2  | 49.89 | 1.11 | 9.29 | 235.93 | 1.53 | 43.44 |
| 5.85  | 13.2  | 49.89 | 0.99 | 9.29 | 247.64 | 1.43 | 43.44 |
| 5.909 | 13.2  | 49.89 | 1.11 | 9.3  | 276.39 | 1.32 | 43.44 |

|       |      |       |      |      |        |      |       |
|-------|------|-------|------|------|--------|------|-------|
| 5.952 | 13.2 | 49.89 | 0.95 | 9.3  | 237.46 | 1.3  | 43.44 |
| 5.98  | 13.2 | 49.89 | 0.92 | 9.29 | 241.46 | 1.27 | 43.44 |
| 6.038 | 13.2 | 49.89 | 0.99 | 9.28 | 242.41 | 1.26 | 43.44 |
| 6.076 | 13.2 | 49.89 | 0.95 | 9.29 | 235.6  | 1.3  | 43.44 |
| 6.099 | 13.2 | 49.89 | 0.95 | 9.29 | 253.97 | 1.29 | 43.44 |
| 6.16  | 13.2 | 49.88 | 0.92 | 9.29 | 256.28 | 1.24 | 43.43 |
| 6.19  | 13.2 | 49.88 | 0.92 | 9.26 | 232.51 | 1.31 | 43.44 |
| 6.228 | 13.2 | 49.88 | 0.95 | 9.26 | 233.26 | 1.27 | 43.44 |
| 6.306 | 13.2 | 49.88 | 0.95 | 9.26 | 236.8  | 1.22 | 43.44 |
| 6.308 | 13.2 | 49.88 | 0.95 | 9.29 | 217.9  | 1.29 | 43.44 |
| 6.327 | 13.2 | 49.89 | 0.95 | 9.3  | 217.59 | 1.31 | 43.44 |
| 6.381 | 13.2 | 49.89 | 0.88 | 9.3  | 240.17 | 1.41 | 43.44 |
| 6.417 | 13.2 | 49.89 | 0.95 | 9.3  | 241.96 | 1.32 | 43.44 |
| 6.426 | 13.2 | 49.89 | 0.88 | 9.3  | 217.9  | 1.27 | 43.44 |
| 6.427 | 13.2 | 49.89 | 0.76 | 9.3  | 211.18 | 1.24 | 43.44 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.24      | 49.92               | 0.04           | 8.95           | 161.81                      | 0.63                           | 43.33           |
| <b>PROF (metros)</b> | 4.597      | 2.136               | 0.785          | 4.853          | 2.197                       | 0.714                          | 0.714           |
| <b>MÁXIMO</b>        | 13.34      | 13.34               | 1.33           | 9.37           | 911.84                      | 1.08                           | 43.44           |
| <b>PROF (metros)</b> | 0.714      | 3.746               | 4.475          | 4.334          | 0.714                       | 3.647                          | 4.47            |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E12 - Punto 013 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.33      | 49.93               | 0.82           | 9.17           | 390.12                      | 0.66              | 43.34           |
| 1 - 2m              | 13.32      | 49.93               | 0.85           | 9.17           | 190.56                      | 0.73              | 43.34           |
| 2 - 3m              | 13.32      | 49.93               | 0.87           | 9.19           | 167.06                      | 0.84              | 43.34           |
| 3 - 4m              | 13.33      | 49.97               | 0.89           | 9.19           | 208.32                      | 0.96              | 43.38           |
| 4 - 5m              | 13.27      | 49.95               | 0.98           | 9.14           | 336.3                       | 0.93              | 43.43           |
| 5 - 6m              | 13.24      | 49.94               | 0.82           | 9.0            | 316.64                      | 0.92              | 43.44           |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

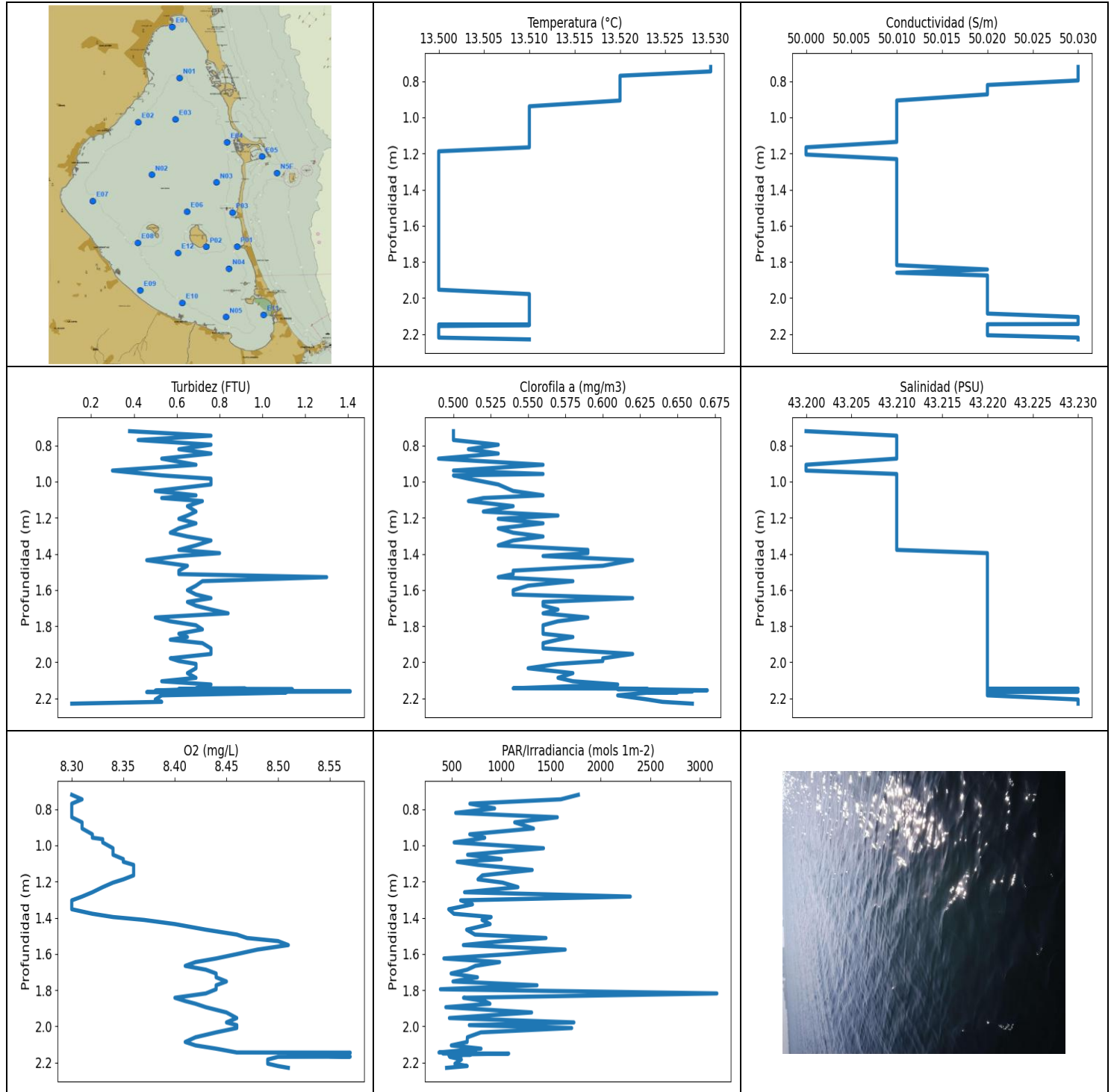
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.714           | 13.34      | 49.93               | 1.03           | 9.16           | 911.84                      | 0.63              | 43.33           |
| 0.744           | 13.33      | 49.93               | 0.61           | 9.16           | 401.5                       | 0.65              | 43.33           |
| 0.767           | 13.33      | 49.93               | 0.95           | 9.15           | 828.03                      | 0.66              | 43.34           |
| 0.785           | 13.33      | 49.93               | 0.04           | 9.16           | 531.85                      | 0.66              | 43.34           |
| 0.802           | 13.33      | 49.93               | 0.8            | 9.17           | 267.94                      | 0.63              | 43.34           |
| 0.828           | 13.33      | 49.93               | 0.95           | 9.17           | 238.51                      | 0.64              | 43.34           |
| 0.864           | 13.33      | 49.93               | 0.61           | 9.18           | 261.01                      | 0.66              | 43.34           |
| 0.899           | 13.33      | 49.93               | 1.18           | 9.18           | 289.44                      | 0.69              | 43.34           |
| 0.925           | 13.32      | 49.93               | 0.99           | 9.19           | 256.28                      | 0.69              | 43.34           |
| 0.939           | 13.32      | 49.93               | 0.72           | 9.19           | 253.62                      | 0.67              | 43.34           |
| 0.953           | 13.32      | 49.93               | 1.18           | 9.19           | 217.75                      | 0.68              | 43.34           |
| 0.975           | 13.32      | 49.93               | 0.8            | 9.2            | 223.73                      | 0.65              | 43.34           |
| 1.011           | 13.32      | 49.93               | 0.84           | 9.19           | 239.56                      | 0.73              | 43.34           |
| 1.048           | 13.32      | 49.93               | 0.92           | 9.19           | 231.91                      | 0.69              | 43.34           |
| 1.073           | 13.32      | 49.93               | 0.8            | 9.18           | 236.47                      | 0.72              | 43.34           |
| 1.085           | 13.32      | 49.93               | 0.88           | 9.18           | 216.09                      | 0.69              | 43.34           |
| 1.097           | 13.32      | 49.93               | 0.8            | 9.17           | 206.92                      | 0.68              | 43.34           |
| 1.121           | 13.32      | 49.93               | 0.76           | 9.17           | 207.4                       | 0.69              | 43.34           |
| 1.158           | 13.32      | 49.93               | 0.84           | 9.16           | 217.09                      | 0.72              | 43.34           |
| 1.195           | 13.32      | 49.93               | 0.92           | 9.15           | 215.09                      | 0.71              | 43.34           |
| 1.222           | 13.32      | 49.93               | 0.8            | 9.16           | 221.2                       | 0.74              | 43.34           |
| 1.232           | 13.32      | 49.93               | 0.8            | 9.16           | 190.44                      | 0.7               | 43.34           |
| 1.238           | 13.32      | 49.93               | 0.92           | 9.16           | 196.5                       | 0.68              | 43.34           |
| 1.256           | 13.32      | 49.93               | 0.92           | 9.16           | 199.9                       | 0.67              | 43.34           |
| 1.291           | 13.32      | 49.93               | 0.84           | 9.17           | 200.5                       | 0.72              | 43.34           |
| 1.331           | 13.32      | 49.93               | 0.76           | 9.16           | 207.59                      | 0.71              | 43.34           |
| 1.355           | 13.32      | 49.93               | 0.92           | 9.16           | 195.27                      | 0.71              | 43.34           |
| 1.363           | 13.32      | 49.93               | 0.95           | 9.17           | 188.99                      | 0.72              | 43.34           |
| 1.367           | 13.32      | 49.93               | 0.92           | 9.17           | 182.07                      | 0.69              | 43.34           |
| 1.396           | 13.32      | 49.93               | 0.8            | 9.17           | 195.82                      | 0.74              | 43.34           |
| 1.438           | 13.32      | 49.93               | 0.84           | 9.18           | 189.78                      | 0.74              | 43.34           |
| 1.471           | 13.32      | 49.93               | 0.8            | 9.17           | 189.26                      | 0.72              | 43.34           |
| 1.48            | 13.32      | 49.93               | 0.88           | 9.17           | 173.34                      | 0.72              | 43.34           |
| 1.495           | 13.32      | 49.93               | 0.92           | 9.17           | 184.28                      | 0.72              | 43.34           |
| 1.531           | 13.32      | 49.93               | 0.88           | 9.17           | 187.9                       | 0.73              | 43.34           |
| 1.569           | 13.32      | 49.93               | 0.84           | 9.17           | 186.04                      | 0.8               | 43.34           |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.598 | 13.32 | 49.93 | 0.8  | 9.19 | 187.38 | 0.78 | 43.34 |
| 1.613 | 13.32 | 49.93 | 0.84 | 9.21 | 165.37 | 0.79 | 43.34 |
| 1.628 | 13.32 | 49.93 | 0.84 | 9.21 | 175.32 | 0.75 | 43.34 |
| 1.65  | 13.32 | 49.93 | 0.72 | 9.2  | 188.99 | 0.72 | 43.34 |
| 1.674 | 13.32 | 49.93 | 0.8  | 9.2  | 189.65 | 0.74 | 43.34 |
| 1.699 | 13.32 | 49.93 | 0.76 | 9.19 | 167.53 | 0.72 | 43.34 |
| 1.721 | 13.32 | 49.93 | 0.76 | 9.17 | 172.06 | 0.77 | 43.34 |
| 1.747 | 13.32 | 49.93 | 0.84 | 9.16 | 181.48 | 0.76 | 43.34 |
| 1.771 | 13.32 | 49.93 | 0.88 | 9.14 | 176.83 | 0.75 | 43.34 |
| 1.786 | 13.32 | 49.93 | 0.84 | 9.15 | 173.22 | 0.74 | 43.34 |
| 1.794 | 13.32 | 49.93 | 0.92 | 9.15 | 179.06 | 0.76 | 43.34 |
| 1.81  | 13.32 | 49.93 | 0.84 | 9.16 | 170.75 | 0.78 | 43.34 |
| 1.845 | 13.32 | 49.93 | 0.76 | 9.16 | 166.68 | 0.79 | 43.34 |
| 1.886 | 13.32 | 49.93 | 0.88 | 9.16 | 168.47 | 0.72 | 43.34 |
| 1.913 | 13.32 | 49.93 | 0.88 | 9.17 | 178.11 | 0.79 | 43.34 |
| 1.918 | 13.32 | 49.93 | 0.88 | 9.17 | 166.57 | 0.79 | 43.34 |
| 1.932 | 13.32 | 49.93 | 0.95 | 9.18 | 167.85 | 0.79 | 43.34 |
| 1.969 | 13.32 | 49.93 | 0.95 | 9.19 | 168.63 | 0.74 | 43.34 |
| 2.011 | 13.32 | 49.93 | 0.72 | 9.19 | 170.04 | 0.77 | 43.34 |
| 2.045 | 13.32 | 49.93 | 0.76 | 9.2  | 169.49 | 0.83 | 43.34 |
| 2.062 | 13.32 | 49.93 | 0.84 | 9.19 | 168.82 | 0.83 | 43.34 |
| 2.069 | 13.32 | 49.93 | 0.76 | 9.19 | 169.09 | 0.8  | 43.34 |
| 2.076 | 13.32 | 49.93 | 0.95 | 9.19 | 168.16 | 0.82 | 43.34 |
| 2.097 | 13.32 | 49.93 | 0.84 | 9.19 | 169.06 | 0.85 | 43.34 |
| 2.136 | 13.32 | 49.92 | 0.92 | 9.18 | 170.43 | 0.79 | 43.34 |
| 2.174 | 13.32 | 49.92 | 0.88 | 9.18 | 163.51 | 0.84 | 43.34 |
| 2.197 | 13.32 | 49.93 | 0.84 | 9.18 | 161.81 | 0.82 | 43.34 |
| 2.205 | 13.32 | 49.93 | 0.88 | 9.18 | 165.22 | 0.82 | 43.34 |
| 2.214 | 13.32 | 49.93 | 0.76 | 9.2  | 171.62 | 0.81 | 43.34 |
| 2.237 | 13.32 | 49.93 | 0.8  | 9.18 | 169.13 | 0.79 | 43.34 |
| 2.276 | 13.32 | 49.93 | 0.88 | 9.19 | 162.86 | 0.82 | 43.34 |
| 2.308 | 13.32 | 49.93 | 0.88 | 9.18 | 163.81 | 0.8  | 43.34 |
| 2.323 | 13.32 | 49.93 | 0.92 | 9.18 | 164.19 | 0.82 | 43.35 |
| 2.329 | 13.32 | 49.93 | 0.84 | 9.18 | 164.46 | 0.82 | 43.35 |
| 2.345 | 13.32 | 49.93 | 0.99 | 9.18 | 167.03 | 0.85 | 43.34 |
| 2.38  | 13.32 | 49.93 | 0.99 | 9.17 | 166.8  | 0.82 | 43.34 |
| 2.422 | 13.32 | 49.93 | 0.92 | 9.17 | 165.8  | 0.86 | 43.34 |
| 2.444 | 13.32 | 49.93 | 0.99 | 9.17 | 164.65 | 0.82 | 43.35 |
| 2.459 | 13.32 | 49.93 | 0.76 | 9.17 | 168.39 | 0.82 | 43.35 |
| 2.503 | 13.32 | 49.93 | 0.95 | 9.17 | 166.84 | 0.84 | 43.34 |
| 2.551 | 13.32 | 49.93 | 0.92 | 9.18 | 162.52 | 0.82 | 43.35 |
| 2.58  | 13.32 | 49.93 | 0.92 | 9.19 | 163.62 | 0.85 | 43.34 |
| 2.583 | 13.32 | 49.93 | 0.88 | 9.2  | 164.95 | 0.87 | 43.34 |
| 2.586 | 13.32 | 49.93 | 0.84 | 9.21 | 166.37 | 0.85 | 43.35 |
| 2.61  | 13.32 | 49.93 | 0.95 | 9.23 | 167.5  | 0.83 | 43.34 |
| 2.646 | 13.32 | 49.93 | 0.72 | 9.22 | 164.69 | 0.89 | 43.34 |
| 2.67  | 13.32 | 49.93 | 0.92 | 9.22 | 163.32 | 0.82 | 43.34 |
| 2.682 | 13.32 | 49.93 | 0.88 | 9.22 | 166.6  | 0.84 | 43.34 |
| 2.696 | 13.32 | 49.93 | 0.84 | 9.18 | 170.59 | 0.8  | 43.35 |
| 2.728 | 13.32 | 49.93 | 0.84 | 9.18 | 166.53 | 0.85 | 43.35 |
| 2.763 | 13.32 | 49.93 | 0.8  | 9.17 | 165.11 | 0.85 | 43.35 |
| 2.785 | 13.32 | 49.93 | 0.84 | 9.18 | 165.99 | 0.84 | 43.35 |
| 2.79  | 13.32 | 49.93 | 0.92 | 9.17 | 168.23 | 0.81 | 43.35 |
| 2.792 | 13.32 | 49.93 | 0.99 | 9.18 | 170.24 | 0.85 | 43.35 |
| 2.818 | 13.32 | 49.93 | 0.95 | 9.17 | 170.04 | 0.89 | 43.35 |
| 2.867 | 13.32 | 49.93 | 0.92 | 9.17 | 168.94 | 0.89 | 43.35 |
| 2.916 | 13.32 | 49.93 | 0.8  | 9.17 | 168.23 | 0.92 | 43.35 |
| 2.931 | 13.32 | 49.93 | 0.88 | 9.18 | 171.5  | 0.87 | 43.35 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.952 | 13.32 | 49.93 | 0.99 | 9.18 | 173.22 | 0.9  | 43.35 |
| 3.002 | 13.32 | 49.93 | 0.76 | 9.18 | 174.75 | 0.88 | 43.35 |
| 3.05  | 13.32 | 49.93 | 0.88 | 9.19 | 175.12 | 0.87 | 43.35 |
| 3.076 | 13.32 | 49.93 | 0.84 | 9.18 | 172.02 | 0.9  | 43.35 |
| 3.078 | 13.32 | 49.93 | 0.76 | 9.18 | 172.14 | 0.88 | 43.35 |
| 3.08  | 13.32 | 49.93 | 0.99 | 9.18 | 176.71 | 0.9  | 43.35 |
| 3.103 | 13.32 | 49.93 | 0.84 | 9.18 | 181.14 | 0.92 | 43.35 |
| 3.138 | 13.32 | 49.93 | 0.88 | 9.18 | 180.14 | 0.92 | 43.35 |
| 3.173 | 13.32 | 49.93 | 0.95 | 9.18 | 177.61 | 0.9  | 43.36 |
| 3.197 | 13.31 | 49.93 | 0.8  | 9.19 | 177.82 | 0.93 | 43.36 |
| 3.215 | 13.31 | 49.94 | 0.84 | 9.18 | 182.2  | 0.95 | 43.36 |
| 3.235 | 13.31 | 49.94 | 0.88 | 9.17 | 187.38 | 0.92 | 43.36 |
| 3.259 | 13.31 | 49.94 | 0.72 | 9.16 | 187.21 | 0.92 | 43.36 |
| 3.282 | 13.31 | 49.94 | 0.8  | 9.16 | 181.69 | 0.89 | 43.36 |
| 3.305 | 13.31 | 49.94 | 0.76 | 9.16 | 181.44 | 0.91 | 43.36 |
| 3.331 | 13.31 | 49.94 | 0.88 | 9.16 | 187.68 | 0.91 | 43.36 |
| 3.353 | 13.31 | 49.94 | 0.8  | 9.18 | 195.45 | 0.94 | 43.37 |
| 3.371 | 13.31 | 49.94 | 0.95 | 9.18 | 195.86 | 0.95 | 43.37 |
| 3.394 | 13.31 | 49.94 | 0.99 | 9.2  | 192.66 | 0.94 | 43.37 |
| 3.423 | 13.31 | 49.96 | 0.84 | 9.22 | 190.67 | 0.93 | 43.38 |
| 3.448 | 13.32 | 49.96 | 0.84 | 9.22 | 193.92 | 0.96 | 43.39 |
| 3.468 | 13.32 | 49.96 | 1.03 | 9.19 | 197.59 | 0.92 | 43.38 |
| 3.485 | 13.32 | 49.96 | 0.84 | 9.21 | 201.2  | 0.98 | 43.38 |
| 3.509 | 13.32 | 49.97 | 0.95 | 9.21 | 203.07 | 0.98 | 43.39 |
| 3.533 | 13.32 | 49.98 | 0.88 | 9.19 | 207.16 | 0.98 | 43.39 |
| 3.551 | 13.33 | 49.98 | 0.88 | 9.21 | 206.44 | 1.01 | 43.39 |
| 3.569 | 13.33 | 49.98 | 0.8  | 9.19 | 202.13 | 0.96 | 43.38 |
| 3.591 | 13.33 | 49.98 | 0.92 | 9.18 | 202.04 | 0.97 | 43.39 |
| 3.619 | 13.33 | 49.99 | 0.84 | 9.17 | 210.45 | 0.97 | 43.39 |
| 3.647 | 13.33 | 49.99 | 0.95 | 9.19 | 220.28 | 1.08 | 43.39 |
| 3.664 | 13.34 | 49.99 | 0.84 | 9.17 | 219.88 | 1.06 | 43.39 |
| 3.673 | 13.34 | 49.99 | 0.76 | 9.19 | 215.39 | 0.96 | 43.39 |
| 3.686 | 13.34 | 49.99 | 0.92 | 9.21 | 211.28 | 0.95 | 43.39 |
| 3.712 | 13.34 | 49.99 | 1.07 | 9.2  | 213.89 | 0.99 | 43.39 |
| 3.746 | 13.34 | 50.0  | 0.99 | 9.23 | 225.81 | 0.98 | 43.39 |
| 3.773 | 13.34 | 50.0  | 0.84 | 9.21 | 236.58 | 0.99 | 43.39 |
| 3.784 | 13.34 | 50.0  | 0.92 | 9.21 | 234.35 | 1.01 | 43.39 |
| 3.789 | 13.34 | 50.0  | 0.92 | 9.2  | 226.65 | 0.96 | 43.39 |
| 3.804 | 13.34 | 50.0  | 0.84 | 9.2  | 224.15 | 1.01 | 43.39 |
| 3.831 | 13.34 | 50.0  | 0.92 | 9.18 | 243.14 | 0.97 | 43.39 |
| 3.858 | 13.34 | 50.0  | 0.92 | 9.19 | 255.33 | 0.96 | 43.39 |
| 3.881 | 13.34 | 50.0  | 1.03 | 9.19 | 244.39 | 0.98 | 43.39 |
| 3.901 | 13.34 | 50.0  | 0.92 | 9.18 | 243.93 | 0.99 | 43.39 |
| 3.921 | 13.34 | 50.0  | 0.88 | 9.16 | 247.52 | 1.05 | 43.39 |
| 3.941 | 13.34 | 49.99 | 0.88 | 9.16 | 261.07 | 0.98 | 43.39 |
| 3.959 | 13.34 | 49.99 | 0.92 | 9.15 | 256.69 | 0.95 | 43.39 |
| 3.972 | 13.34 | 49.99 | 0.99 | 9.15 | 252.86 | 0.98 | 43.39 |
| 3.982 | 13.33 | 49.99 | 0.95 | 9.17 | 264.18 | 1.0  | 43.39 |
| 4.005 | 13.33 | 49.99 | 0.95 | 9.19 | 277.74 | 1.01 | 43.39 |
| 4.049 | 13.33 | 49.98 | 0.84 | 9.19 | 299.82 | 1.01 | 43.38 |
| 4.083 | 13.31 | 49.98 | 0.84 | 9.18 | 284.39 | 0.98 | 43.4  |
| 4.115 | 13.31 | 49.98 | 0.95 | 9.2  | 293.36 | 0.98 | 43.4  |
| 4.18  | 13.32 | 49.97 | 0.92 | 9.22 | 341.93 | 0.95 | 43.39 |
| 4.201 | 13.3  | 49.97 | 0.88 | 9.29 | 356.16 | 0.97 | 43.41 |
| 4.229 | 13.3  | 49.97 | 1.14 | 9.3  | 320.14 | 1.03 | 43.41 |
| 4.296 | 13.31 | 49.96 | 0.95 | 9.33 | 343.2  | 0.96 | 43.39 |
| 4.334 | 13.26 | 49.95 | 0.95 | 9.37 | 329.94 | 0.98 | 43.43 |
| 4.342 | 13.27 | 49.96 | 1.03 | 9.37 | 334.17 | 1.01 | 43.43 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.398 | 13.28 | 49.95 | 0.99 | 9.37 | 380.31 | 0.98 | 43.42 |
| 4.465 | 13.28 | 49.94 | 0.88 | 9.37 | 375.4  | 0.98 | 43.4  |
| 4.47  | 13.25 | 49.94 | 0.99 | 9.35 | 336.27 | 0.98 | 43.44 |
| 4.475 | 13.25 | 49.94 | 1.33 | 9.32 | 333.63 | 1.03 | 43.44 |
| 4.519 | 13.25 | 49.94 | 1.03 | 9.28 | 328.94 | 0.95 | 43.43 |
| 4.573 | 13.26 | 49.94 | 0.99 | 9.23 | 352.47 | 0.85 | 43.43 |
| 4.597 | 13.24 | 49.94 | 0.99 | 9.09 | 336.73 | 0.88 | 43.44 |
| 4.602 | 13.24 | 49.94 | 0.88 | 9.06 | 363.5  | 0.95 | 43.44 |
| 4.637 | 13.25 | 49.94 | 1.03 | 9.05 | 346.95 | 0.92 | 43.44 |
| 4.689 | 13.25 | 49.94 | 0.92 | 9.04 | 339.16 | 0.85 | 43.44 |
| 4.727 | 13.24 | 49.94 | 0.95 | 8.98 | 313.53 | 0.88 | 43.44 |
| 4.753 | 13.24 | 49.94 | 1.07 | 8.97 | 314.77 | 0.88 | 43.44 |
| 4.795 | 13.25 | 49.94 | 1.03 | 8.96 | 391.03 | 0.89 | 43.44 |
| 4.832 | 13.24 | 49.94 | 1.11 | 8.96 | 368.93 | 0.85 | 43.44 |
| 4.853 | 13.24 | 49.94 | 0.95 | 8.95 | 334.17 | 0.89 | 43.44 |
| 4.858 | 13.24 | 49.94 | 0.92 | 8.95 | 296.98 | 0.87 | 43.44 |
| 4.864 | 13.24 | 49.94 | 1.03 | 8.96 | 355.42 | 0.86 | 43.44 |
| 4.883 | 13.24 | 49.94 | 0.95 | 8.97 | 413.98 | 0.83 | 43.44 |
| 4.916 | 13.24 | 49.94 | 0.88 | 8.97 | 328.41 | 0.93 | 43.44 |
| 4.947 | 13.24 | 49.94 | 0.95 | 8.98 | 315.72 | 0.9  | 43.44 |
| 4.965 | 13.24 | 49.94 | 0.95 | 8.99 | 346.07 | 0.89 | 43.44 |
| 4.973 | 13.24 | 49.94 | 1.03 | 9.01 | 327.8  | 0.86 | 43.44 |
| 4.985 | 13.24 | 49.94 | 1.03 | 9.02 | 316.97 | 0.89 | 43.44 |
| 5.009 | 13.24 | 49.94 | 0.92 | 9.02 | 334.09 | 0.86 | 43.44 |
| 5.039 | 13.24 | 49.94 | 0.84 | 9.02 | 353.86 | 0.87 | 43.44 |
| 5.064 | 13.24 | 49.94 | 0.88 | 9.01 | 331.32 | 0.92 | 43.44 |
| 5.083 | 13.24 | 49.94 | 0.8  | 8.99 | 304.44 | 0.89 | 43.44 |
| 5.098 | 13.24 | 49.94 | 0.8  | 8.98 | 306.35 | 0.89 | 43.44 |
| 5.117 | 13.24 | 49.94 | 0.84 | 8.96 | 324.18 | 0.86 | 43.44 |
| 5.139 | 13.24 | 49.94 | 0.76 | 8.95 | 377.5  | 0.91 | 43.44 |
| 5.154 | 13.24 | 49.94 | 0.76 | 8.95 | 330.86 | 0.93 | 43.44 |
| 5.163 | 13.24 | 49.94 | 0.76 | 8.96 | 293.42 | 0.93 | 43.44 |
| 5.179 | 13.24 | 49.94 | 0.76 | 8.97 | 294.11 | 0.9  | 43.44 |
| 5.217 | 13.24 | 49.94 | 0.84 | 8.98 | 321.03 | 0.86 | 43.44 |
| 5.261 | 13.24 | 49.93 | 1.03 | 9.0  | 380.92 | 0.93 | 43.44 |
| 5.265 | 13.24 | 49.94 | 0.76 | 9.01 | 311.72 | 0.88 | 43.44 |
| 5.273 | 13.24 | 49.94 | 0.92 | 9.01 | 345.99 | 0.89 | 43.44 |
| 5.326 | 13.24 | 49.94 | 0.8  | 9.01 | 318.07 | 0.93 | 43.44 |
| 5.379 | 13.24 | 49.94 | 0.8  | 9.0  | 306.42 | 0.96 | 43.44 |
| 5.38  | 13.24 | 49.94 | 0.69 | 9.0  | 311.07 | 0.92 | 43.44 |
| 5.438 | 13.24 | 49.94 | 0.8  | 9.0  | 317.41 | 0.93 | 43.44 |
| 5.509 | 13.24 | 49.94 | 0.88 | 9.0  | 309.63 | 0.92 | 43.44 |
| 5.548 | 13.24 | 49.94 | 0.92 | 9.01 | 310.43 | 0.95 | 43.44 |
| 5.608 | 13.24 | 49.94 | 0.8  | 9.0  | 297.05 | 0.94 | 43.44 |
| 5.643 | 13.25 | 49.94 | 0.8  | 9.0  | 304.37 | 0.92 | 43.44 |
| 5.658 | 13.25 | 49.94 | 0.72 | 9.01 | 283.53 | 0.98 | 43.44 |
| 5.672 | 13.25 | 49.94 | 0.88 | 9.02 | 291.53 | 0.96 | 43.44 |
| 5.676 | 13.25 | 49.94 | 0.76 | 9.03 | 320.44 | 0.95 | 43.44 |
| 5.677 | 13.25 | 49.94 | 0.61 | 9.06 | 285.97 | 0.95 | 43.44 |
| 5.678 | 13.25 | 49.94 | 0.95 | 9.06 | 283.53 | 0.97 | 43.44 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                                |                 |
|--|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
|  | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
| <b>MÍNIMO</b>  | 13.5       | 50.0                | 0.11           | 8.3            | 370.82                      | 0.49                           | 43.2            |
| <b>PROF (metros)</b>   | 1.188      | 1.166               | 2.229          | 0.721          | 2.144                       | 0.873                          | 0.721           |
| <b>MÁXIMO</b>  | 13.53      | 13.53               | 1.41           | 8.57           | 3168.5                      | 0.67                           | 43.23           |
| <b>PROF (metros)</b>   | 0.721      | 0.721               | 2.16           | 2.145          | 1.818                       | 2.155                          | 2.123           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD P02 - Punto 014 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.52      | 50.02               | 0.58           | 8.31           | 1027.35                     | 0.52              | 43.21           |
| 1 - 2m              | 13.5       | 50.01               | 0.67           | 8.4            | 928.63                      | 0.56              | 43.22           |
| 2 - 3m              | 13.51      | 50.02               | 0.72           | 8.5            | 652.69                      | 0.62              | 43.22           |

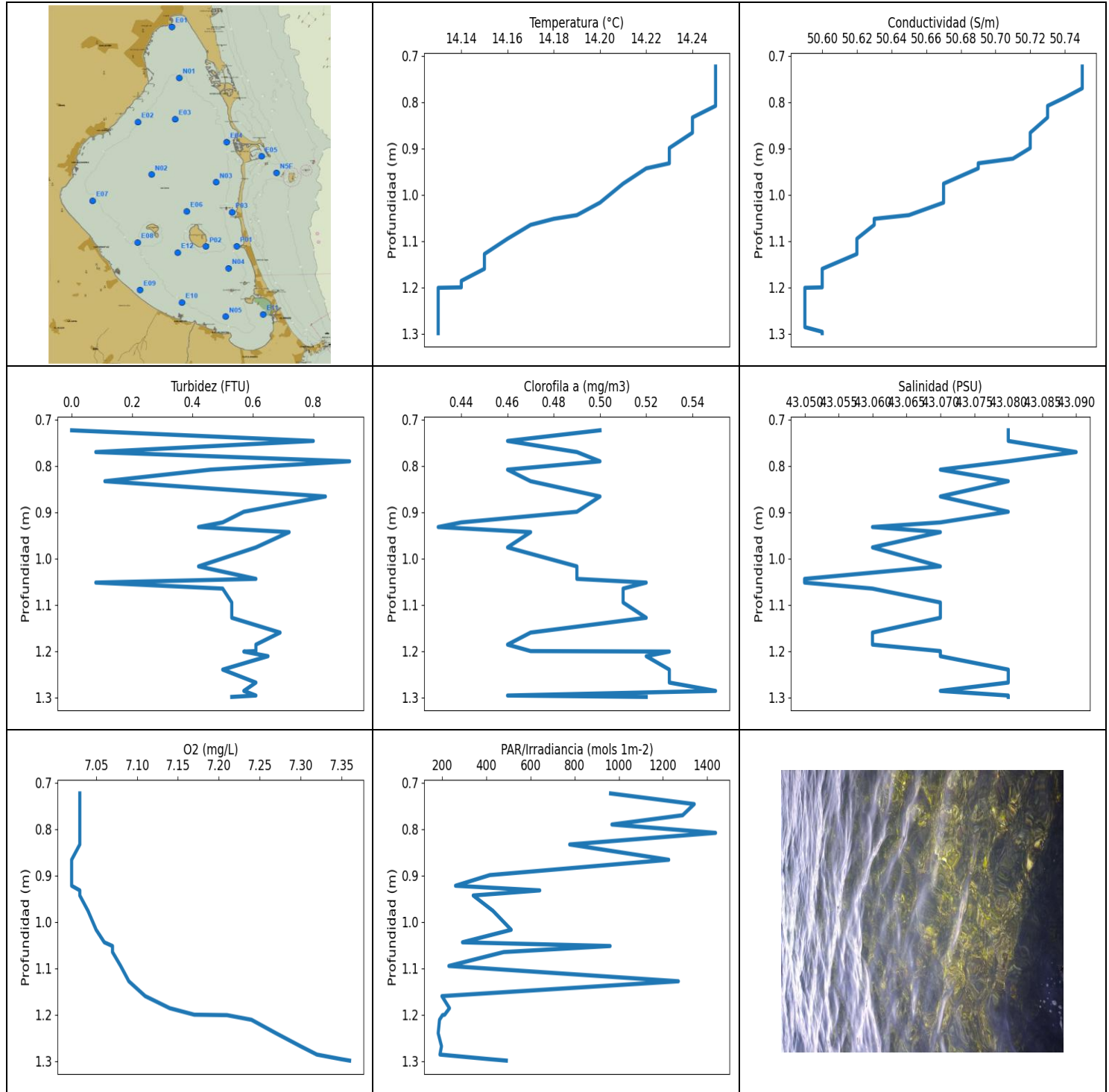
**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.721           | 13.53      | 50.03               | 0.38           | 8.3            | 1773.8                      | 0.5               | 43.2            |
| 0.746           | 13.53      | 50.03               | 0.76           | 8.31           | 1597.4                      | 0.5               | 43.21           |
| 0.77            | 13.52      | 50.03               | 0.42           | 8.3            | 682.17                      | 0.5               | 43.21           |
| 0.796           | 13.52      | 50.03               | 0.76           | 8.3            | 931.06                      | 0.53              | 43.21           |
| 0.821           | 13.52      | 50.02               | 0.61           | 8.3            | 539.17                      | 0.51              | 43.21           |
| 0.845           | 13.52      | 50.02               | 0.76           | 8.3            | 1562.2                      | 0.53              | 43.21           |
| 0.873           | 13.52      | 50.02               | 0.53           | 8.31           | 1133.0                      | 0.49              | 43.21           |
| 0.907           | 13.52      | 50.01               | 0.69           | 8.31           | 1322.4                      | 0.56              | 43.2            |
| 0.939           | 13.51      | 50.01               | 0.3            | 8.32           | 680.75                      | 0.5               | 43.2            |
| 0.958           | 13.51      | 50.01               | 0.46           | 8.32           | 831.68                      | 0.56              | 43.21           |
| 0.966           | 13.51      | 50.01               | 0.53           | 8.33           | 751.05                      | 0.5               | 43.21           |
| 0.984           | 13.51      | 50.01               | 0.76           | 8.33           | 523.53                      | 0.51              | 43.21           |
| 1.016           | 13.51      | 50.01               | 0.76           | 8.34           | 1422.9                      | 0.53              | 43.21           |
| 1.052           | 13.51      | 50.01               | 0.5            | 8.34           | 659.32                      | 0.54              | 43.21           |
| 1.076           | 13.51      | 50.01               | 0.69           | 8.35           | 999.5                       | 0.56              | 43.21           |
| 1.091           | 13.51      | 50.01               | 0.53           | 8.35           | 554.38                      | 0.52              | 43.21           |
| 1.108           | 13.51      | 50.01               | 0.72           | 8.36           | 762.1                       | 0.51              | 43.21           |
| 1.136           | 13.51      | 50.01               | 0.65           | 8.36           | 1309.3                      | 0.54              | 43.21           |
| 1.166           | 13.51      | 50.0                | 0.69           | 8.36           | 807.37                      | 0.52              | 43.21           |
| 1.188           | 13.5       | 50.0                | 0.65           | 8.35           | 763.69                      | 0.57              | 43.21           |
| 1.206           | 13.5       | 50.0                | 0.61           | 8.34           | 1011.8                      | 0.53              | 43.21           |
| 1.231           | 13.5       | 50.01               | 0.69           | 8.33           | 1165.8                      | 0.56              | 43.21           |
| 1.259           | 13.5       | 50.01               | 0.61           | 8.32           | 628.44                      | 0.53              | 43.21           |
| 1.283           | 13.5       | 50.01               | 0.57           | 8.31           | 2296.9                      | 0.54              | 43.21           |
| 1.304           | 13.5       | 50.01               | 0.65           | 8.3            | 589.22                      | 0.56              | 43.21           |
| 1.326           | 13.5       | 50.01               | 0.76           | 8.3            | 708.11                      | 0.54              | 43.21           |
| 1.353           | 13.5       | 50.01               | 0.69           | 8.3            | 468.95                      | 0.53              | 43.21           |
| 1.378           | 13.5       | 50.01               | 0.61           | 8.32           | 520.99                      | 0.59              | 43.21           |
| 1.396           | 13.5       | 50.01               | 0.8            | 8.34           | 895.92                      | 0.59              | 43.22           |
| 1.412           | 13.5       | 50.01               | 0.61           | 8.37           | 804.76                      | 0.56              | 43.22           |
| 1.435           | 13.5       | 50.01               | 0.46           | 8.4            | 885.39                      | 0.62              | 43.22           |
| 1.466           | 13.5       | 50.01               | 0.65           | 8.43           | 649.31                      | 0.6               | 43.22           |
| 1.493           | 13.5       | 50.01               | 0.61           | 8.46           | 733.16                      | 0.54              | 43.22           |
| 1.512           | 13.5       | 50.01               | 0.61           | 8.47           | 1448.2                      | 0.54              | 43.22           |
| 1.529           | 13.5       | 50.01               | 1.3            | 8.5            | 1017.7                      | 0.53              | 43.22           |
| 1.551           | 13.5       | 50.01               | 0.72           | 8.51           | 616.32                      | 0.58              | 43.22           |
| 1.576           | 13.5       | 50.01               | 0.69           | 8.48           | 1641.7                      | 0.55              | 43.22           |
| 1.601           | 13.5       | 50.01               | 0.65           | 8.46           | 1079.2                      | 0.54              | 43.22           |
| 1.625           | 13.5       | 50.01               | 0.69           | 8.44           | 420.16                      | 0.54              | 43.22           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.645 | 13.5  | 50.01 | 0.76 | 8.42 | 980.68 | 0.62 | 43.22 |
| 1.666 | 13.5  | 50.01 | 0.65 | 8.41 | 736.57 | 0.56 | 43.22 |
| 1.687 | 13.5  | 50.01 | 0.69 | 8.43 | 653.39 | 0.56 | 43.22 |
| 1.708 | 13.5  | 50.01 | 0.76 | 8.44 | 492.57 | 0.57 | 43.22 |
| 1.729 | 13.5  | 50.01 | 0.84 | 8.44 | 758.22 | 0.56 | 43.22 |
| 1.752 | 13.5  | 50.01 | 0.5  | 8.45 | 511.77 | 0.59 | 43.22 |
| 1.773 | 13.5  | 50.01 | 0.57 | 8.44 | 1357.8 | 0.57 | 43.22 |
| 1.795 | 13.5  | 50.01 | 0.69 | 8.44 | 385.1  | 0.56 | 43.22 |
| 1.818 | 13.5  | 50.01 | 0.72 | 8.43 | 3168.5 | 0.56 | 43.22 |
| 1.842 | 13.5  | 50.02 | 0.61 | 8.4  | 618.04 | 0.56 | 43.22 |
| 1.86  | 13.5  | 50.01 | 0.65 | 8.41 | 828.41 | 0.58 | 43.22 |
| 1.875 | 13.5  | 50.02 | 0.57 | 8.42 | 883.96 | 0.57 | 43.22 |
| 1.894 | 13.5  | 50.02 | 0.72 | 8.43 | 439.69 | 0.56 | 43.22 |
| 1.923 | 13.5  | 50.02 | 0.76 | 8.45 | 1303.3 | 0.56 | 43.22 |
| 1.954 | 13.5  | 50.02 | 0.76 | 8.46 | 475.85 | 0.62 | 43.22 |
| 1.978 | 13.51 | 50.02 | 0.57 | 8.45 | 1729.2 | 0.6  | 43.22 |
| 1.993 | 13.51 | 50.02 | 0.61 | 8.46 | 676.19 | 0.6  | 43.22 |
| 2.009 | 13.51 | 50.02 | 0.69 | 8.46 | 1706.9 | 0.57 | 43.22 |
| 2.033 | 13.51 | 50.02 | 0.69 | 8.44 | 792.72 | 0.55 | 43.22 |
| 2.06  | 13.51 | 50.02 | 0.65 | 8.42 | 657.03 | 0.58 | 43.22 |
| 2.086 | 13.51 | 50.02 | 0.69 | 8.41 | 654.15 | 0.57 | 43.22 |
| 2.105 | 13.51 | 50.03 | 0.53 | 8.42 | 494.86 | 0.58 | 43.22 |
| 2.123 | 13.51 | 50.03 | 0.76 | 8.44 | 794.19 | 0.61 | 43.22 |
| 2.144 | 13.51 | 50.03 | 0.69 | 8.46 | 370.82 | 0.54 | 43.22 |
| 2.145 | 13.51 | 50.02 | 0.92 | 8.57 | 738.62 | 0.61 | 43.22 |
| 2.146 | 13.51 | 50.02 | 0.84 | 8.57 | 602.76 | 0.62 | 43.22 |
| 2.147 | 13.5  | 50.02 | 0.61 | 8.55 | 743.43 | 0.63 | 43.23 |
| 2.149 | 13.51 | 50.02 | 1.14 | 8.51 | 408.73 | 0.61 | 43.22 |
| 2.15  | 13.51 | 50.02 | 0.65 | 8.51 | 1072.5 | 0.63 | 43.22 |
| 2.155 | 13.5  | 50.02 | 0.53 | 8.52 | 562.66 | 0.67 | 43.22 |
| 2.157 | 13.5  | 50.02 | 0.5  | 8.56 | 686.77 | 0.63 | 43.22 |
| 2.16  | 13.5  | 50.02 | 1.41 | 8.56 | 471.35 | 0.66 | 43.22 |
| 2.162 | 13.5  | 50.02 | 1.41 | 8.55 | 472.99 | 0.66 | 43.23 |
| 2.165 | 13.5  | 50.02 | 0.46 | 8.55 | 481.62 | 0.63 | 43.22 |
| 2.167 | 13.5  | 50.02 | 0.61 | 8.57 | 590.31 | 0.65 | 43.22 |
| 2.168 | 13.5  | 50.02 | 1.11 | 8.5  | 479.17 | 0.63 | 43.22 |
| 2.183 | 13.5  | 50.02 | 0.53 | 8.49 | 596.09 | 0.61 | 43.22 |
| 2.206 | 13.5  | 50.02 | 0.5  | 8.49 | 531.48 | 0.63 | 43.23 |
| 2.219 | 13.5  | 50.03 | 0.53 | 8.5  | 655.21 | 0.64 | 43.23 |
| 2.229 | 13.51 | 50.03 | 0.11 | 8.51 | 447.5  | 0.66 | 43.23 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|--|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|  | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| <b>MÍNIMO</b>  | 14.13      | 50.59               | 0.0            | 7.02           | 183.21                      | 0.43              | 43.05           |
| <b>PROF (metros)</b>   | 1.201      | 1.201               | 0.723          | 0.866          | 1.24                        | 0.932             | 1.044           |
| <b>MÁXIMO</b>  | 14.25      | 14.25               | 0.92           | 7.36           | 1437.5                      | 0.55              | 43.09           |
| <b>PROF (metros)</b>   | 0.723      | 0.723               | 0.79           | 1.299          | 0.808                       | 1.286             | 0.77            |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD P01 - Punto 015 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 14.24      | 50.72               | 0.55           | 7.03           | 830.19                      | 0.47              | 43.07           |
| 1 - 2m              | 14.15      | 50.61               | 0.54           | 7.18           | 391.72                      | 0.5               | 43.07           |

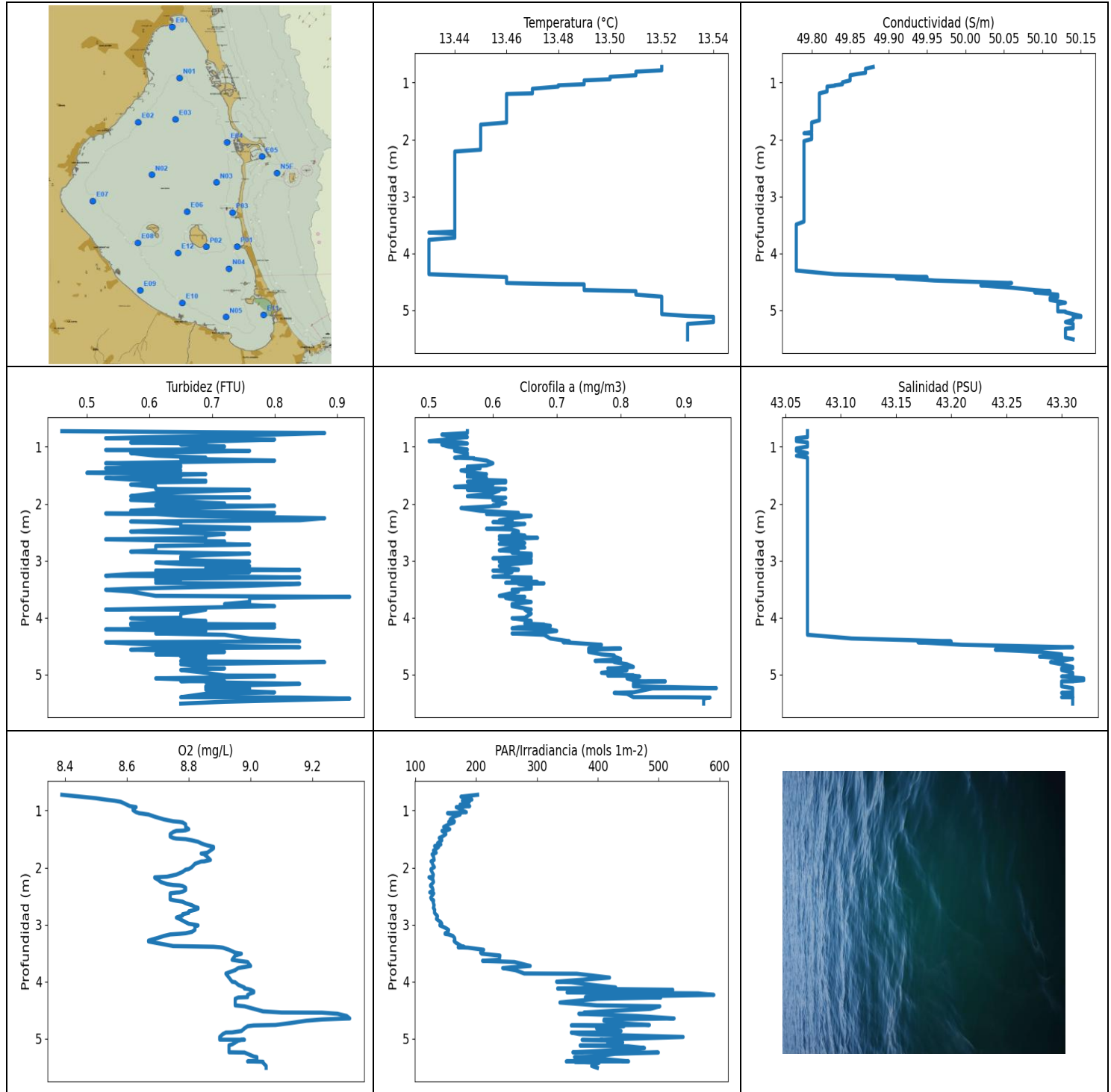
**OBSERVACIONES GENERALES**

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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) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.723           | 14.25      | 50.75               | 0.0            | 7.03           | 962.66                      | 0.5               | 43.08           |
| 0.746           | 14.25      | 50.75               | 0.8            | 7.03           | 1341.0                      | 0.46              | 43.08           |
| 0.77            | 14.25      | 50.75               | 0.08           | 7.03           | 1288.6                      | 0.49              | 43.09           |
| 0.79            | 14.25      | 50.74               | 0.92           | 7.03           | 968.71                      | 0.5               | 43.08           |
| 0.808           | 14.25      | 50.73               | 0.46           | 7.03           | 1437.5                      | 0.46              | 43.07           |
| 0.833           | 14.24      | 50.73               | 0.11           | 7.03           | 777.8                       | 0.47              | 43.08           |
| 0.866           | 14.24      | 50.72               | 0.84           | 7.02           | 1225.6                      | 0.5               | 43.07           |
| 0.899           | 14.23      | 50.72               | 0.57           | 7.02           | 416.67                      | 0.49              | 43.08           |
| 0.922           | 14.23      | 50.71               | 0.5            | 7.02           | 261.5                       | 0.44              | 43.07           |
| 0.932           | 14.23      | 50.69               | 0.42           | 7.03           | 642.43                      | 0.43              | 43.06           |
| 0.943           | 14.22      | 50.69               | 0.72           | 7.03           | 341.61                      | 0.47              | 43.07           |
| 0.976           | 14.21      | 50.67               | 0.61           | 7.04           | 430.71                      | 0.46              | 43.06           |
| 1.017           | 14.2       | 50.67               | 0.42           | 7.05           | 513.44                      | 0.49              | 43.07           |
| 1.044           | 14.19      | 50.65               | 0.61           | 7.06           | 292.95                      | 0.49              | 43.05           |
| 1.052           | 14.18      | 50.63               | 0.08           | 7.07           | 960.66                      | 0.52              | 43.05           |
| 1.065           | 14.17      | 50.63               | 0.5            | 7.07           | 479.62                      | 0.51              | 43.06           |
| 1.095           | 14.16      | 50.62               | 0.53           | 7.08           | 231.43                      | 0.51              | 43.07           |
| 1.128           | 14.15      | 50.62               | 0.53           | 7.09           | 1269.3                      | 0.52              | 43.07           |
| 1.16            | 14.15      | 50.6                | 0.69           | 7.11           | 200.04                      | 0.47              | 43.06           |
| 1.186           | 14.14      | 50.6                | 0.61           | 7.14           | 234.29                      | 0.46              | 43.06           |
| 1.2             | 14.14      | 50.6                | 0.61           | 7.17           | 212.71                      | 0.47              | 43.07           |
| 1.201           | 14.13      | 50.59               | 0.57           | 7.21           | 202.6                       | 0.53              | 43.07           |
| 1.211           | 14.13      | 50.59               | 0.65           | 7.24           | 189.21                      | 0.52              | 43.07           |
| 1.24            | 14.13      | 50.59               | 0.5            | 7.27           | 183.21                      | 0.53              | 43.08           |
| 1.268           | 14.13      | 50.59               | 0.61           | 7.3            | 198.19                      | 0.53              | 43.08           |
| 1.286           | 14.13      | 50.59               | 0.57           | 7.32           | 191.15                      | 0.55              | 43.07           |
| 1.296           | 14.13      | 50.6                | 0.61           | 7.35           | 417.44                      | 0.46              | 43.08           |
| 1.299           | 14.13      | 50.6                | 0.53           | 7.36           | 491.32                      | 0.52              | 43.08           |





| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                                |                 |
|--|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
|  | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
| <b>MÍNIMO</b>  | 13.43      | 49.78               | 0.46           | 8.39           | 122.35                      | 0.5                            | 43.06           |
| <b>PROF (metros)</b>   | 3.636      | 3.493               | 0.724          | 0.724          | 2.171                       | 0.898                          | 0.847           |
| <b>MÁXIMO</b>  | 13.54      | 13.54               | 0.92           | 9.32           | 590.86                      | 0.95                           | 43.32           |
| <b>PROF (metros)</b>   | 5.118      | 5.102               | 3.636          | 4.647          | 4.235                       | 5.241                          | 5.07            |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD N04 - Punto 016 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.51      | 49.86               | 0.68           | 8.56           | 182.58                      | 0.54              | 43.07           |
| 1 - 2m              | 13.46      | 49.81               | 0.64           | 8.79           | 144.58                      | 0.58              | 43.07           |
| 2 - 3m              | 13.44      | 49.79               | 0.67           | 8.77           | 129.79                      | 0.63              | 43.07           |
| 3 - 4m              | 13.44      | 49.79               | 0.69           | 8.84           | 201.35                      | 0.64              | 43.07           |
| 4 - 5m              | 13.47      | 49.95               | 0.67           | 9.03           | 427.1                       | 0.73              | 43.19           |
| 5 - 6m              | 13.53      | 50.14               | 0.73           | 8.98           | 406.86                      | 0.85              | 43.31           |

**OBSERVACIONES GENERALES**

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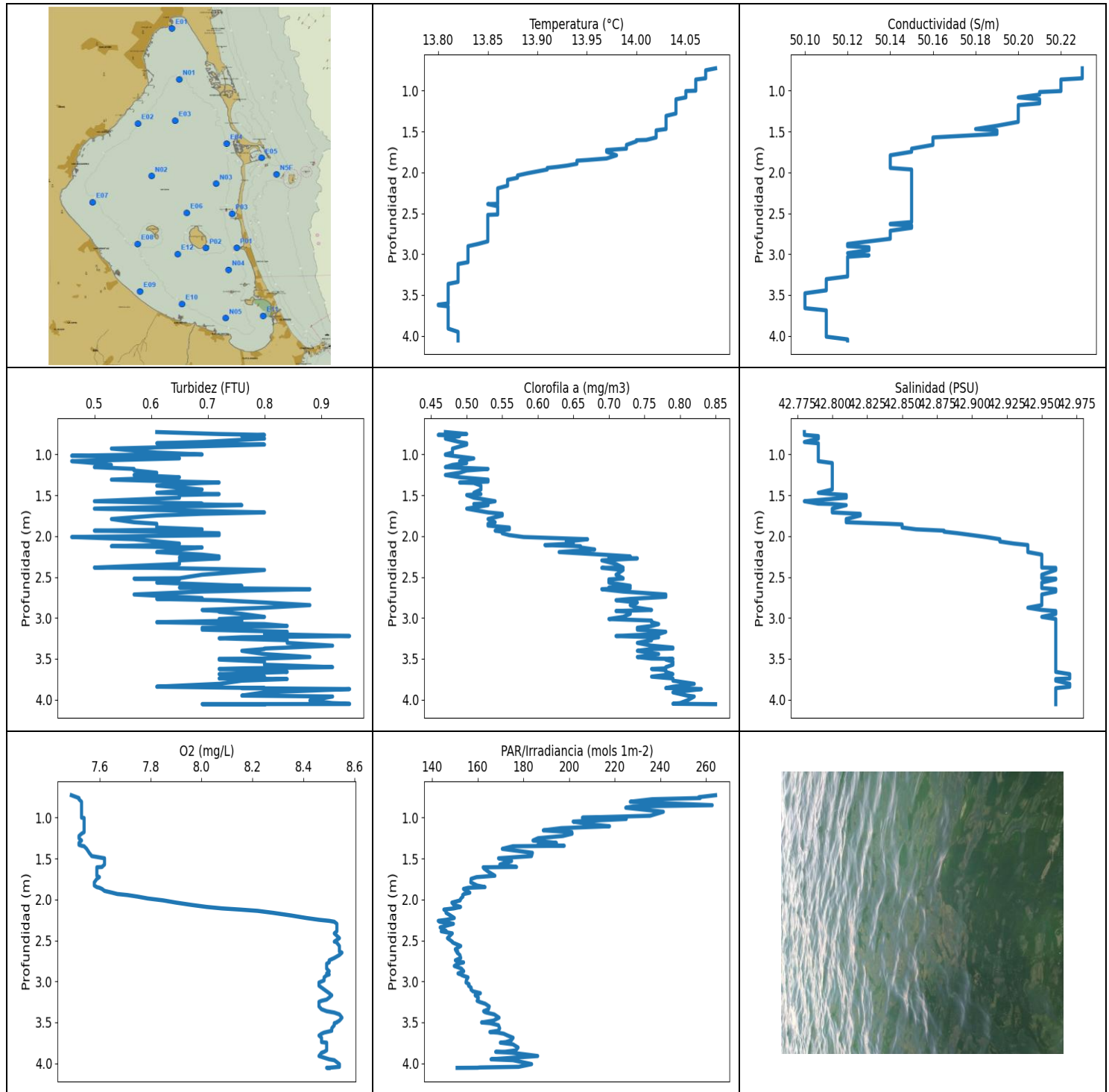
**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.724           | 13.52      | 49.88               | 0.46           | 8.39           | 202.41                      | 0.56              | 43.07           |
| 0.757           | 13.52      | 49.87               | 0.88           | 8.45           | 175.0                       | 0.56              | 43.07           |
| 0.784           | 13.52      | 49.87               | 0.8            | 8.5            | 188.86                      | 0.52              | 43.07           |
| 0.808           | 13.51      | 49.87               | 0.72           | 8.53           | 192.98                      | 0.53              | 43.07           |
| 0.828           | 13.51      | 49.87               | 0.61           | 8.56           | 177.32                      | 0.56              | 43.07           |
| 0.847           | 13.51      | 49.86               | 0.53           | 8.58           | 188.86                      | 0.54              | 43.06           |
| 0.871           | 13.51      | 49.85               | 0.8            | 8.59           | 186.95                      | 0.53              | 43.06           |
| 0.898           | 13.5       | 49.85               | 0.72           | 8.6            | 173.42                      | 0.5               | 43.06           |
| 0.923           | 13.5       | 49.85               | 0.57           | 8.61           | 189.39                      | 0.55              | 43.07           |
| 0.941           | 13.5       | 49.85               | 0.69           | 8.63           | 167.15                      | 0.56              | 43.07           |
| 0.961           | 13.49      | 49.85               | 0.65           | 8.62           | 171.98                      | 0.52              | 43.07           |
| 0.994           | 13.49      | 49.84               | 0.72           | 8.62           | 176.58                      | 0.53              | 43.07           |
| 1.029           | 13.49      | 49.84               | 0.69           | 8.63           | 183.85                      | 0.55              | 43.06           |
| 1.047           | 13.48      | 49.83               | 0.65           | 8.64           | 152.81                      | 0.56              | 43.06           |
| 1.054           | 13.48      | 49.83               | 0.53           | 8.65           | 155.92                      | 0.54              | 43.06           |
| 1.07            | 13.48      | 49.82               | 0.76           | 8.67           | 173.66                      | 0.54              | 43.06           |
| 1.108           | 13.47      | 49.82               | 0.57           | 8.69           | 163.7                       | 0.56              | 43.07           |
| 1.156           | 13.47      | 49.82               | 0.61           | 8.72           | 157.19                      | 0.56              | 43.06           |
| 1.189           | 13.47      | 49.81               | 0.69           | 8.75           | 164.15                      | 0.54              | 43.07           |
| 1.199           | 13.46      | 49.81               | 0.65           | 8.77           | 154.87                      | 0.57              | 43.07           |
| 1.208           | 13.46      | 49.81               | 0.65           | 8.78           | 163.58                      | 0.57              | 43.07           |
| 1.241           | 13.46      | 49.81               | 0.8            | 8.79           | 155.16                      | 0.59              | 43.07           |
| 1.288           | 13.46      | 49.81               | 0.53           | 8.79           | 146.53                      | 0.6               | 43.07           |
| 1.327           | 13.46      | 49.81               | 0.65           | 8.8            | 156.5                       | 0.59              | 43.07           |
| 1.347           | 13.46      | 49.81               | 0.65           | 8.79           | 152.14                      | 0.56              | 43.07           |
| 1.353           | 13.46      | 49.81               | 0.65           | 8.78           | 149.69                      | 0.57              | 43.07           |
| 1.357           | 13.46      | 49.81               | 0.61           | 8.76           | 143.74                      | 0.56              | 43.07           |
| 1.376           | 13.46      | 49.81               | 0.53           | 8.75           | 147.89                      | 0.58              | 43.07           |
| 1.414           | 13.46      | 49.81               | 0.65           | 8.74           | 150.21                      | 0.55              | 43.07           |
| 1.457           | 13.46      | 49.81               | 0.5            | 8.74           | 144.14                      | 0.57              | 43.07           |
| 1.481           | 13.46      | 49.81               | 0.69           | 8.75           | 139.24                      | 0.59              | 43.07           |
| 1.492           | 13.46      | 49.81               | 0.65           | 8.76           | 143.04                      | 0.56              | 43.07           |
| 1.502           | 13.46      | 49.81               | 0.61           | 8.79           | 141.75                      | 0.57              | 43.07           |
| 1.522           | 13.46      | 49.81               | 0.65           | 8.81           | 143.54                      | 0.56              | 43.07           |
| 1.548           | 13.46      | 49.81               | 0.53           | 8.83           | 139.6                       | 0.59              | 43.07           |
| 1.575           | 13.46      | 49.81               | 0.57           | 8.84           | 136.4                       | 0.57              | 43.07           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.595 | 13.46 | 49.81 | 0.69 | 8.85 | 141.95 | 0.62 | 43.07 |
| 1.612 | 13.46 | 49.81 | 0.69 | 8.86 | 135.87 | 0.56 | 43.07 |
| 1.624 | 13.46 | 49.81 | 0.61 | 8.87 | 131.62 | 0.62 | 43.07 |
| 1.637 | 13.46 | 49.81 | 0.61 | 8.88 | 138.38 | 0.6  | 43.07 |
| 1.663 | 13.46 | 49.81 | 0.57 | 8.88 | 135.46 | 0.6  | 43.07 |
| 1.701 | 13.46 | 49.8  | 0.61 | 8.87 | 129.77 | 0.54 | 43.07 |
| 1.739 | 13.45 | 49.8  | 0.61 | 8.86 | 134.33 | 0.62 | 43.07 |
| 1.754 | 13.45 | 49.8  | 0.76 | 8.84 | 131.07 | 0.56 | 43.07 |
| 1.768 | 13.45 | 49.8  | 0.72 | 8.85 | 127.51 | 0.61 | 43.07 |
| 1.813 | 13.45 | 49.8  | 0.61 | 8.86 | 129.98 | 0.6  | 43.07 |
| 1.867 | 13.45 | 49.8  | 0.57 | 8.87 | 130.92 | 0.56 | 43.07 |
| 1.891 | 13.45 | 49.79 | 0.76 | 8.85 | 125.77 | 0.61 | 43.07 |
| 1.894 | 13.45 | 49.8  | 0.69 | 8.84 | 127.56 | 0.62 | 43.07 |
| 1.934 | 13.45 | 49.8  | 0.57 | 8.82 | 127.98 | 0.6  | 43.07 |
| 1.993 | 13.45 | 49.8  | 0.72 | 8.81 | 131.25 | 0.62 | 43.07 |
| 2.027 | 13.45 | 49.79 | 0.61 | 8.8  | 125.8  | 0.6  | 43.07 |
| 2.037 | 13.45 | 49.79 | 0.8  | 8.79 | 125.54 | 0.61 | 43.07 |
| 2.076 | 13.45 | 49.79 | 0.65 | 8.78 | 127.24 | 0.55 | 43.07 |
| 2.124 | 13.45 | 49.79 | 0.57 | 8.76 | 129.68 | 0.58 | 43.07 |
| 2.16  | 13.45 | 49.79 | 0.8  | 8.73 | 129.05 | 0.64 | 43.07 |
| 2.171 | 13.45 | 49.79 | 0.53 | 8.69 | 122.35 | 0.63 | 43.07 |
| 2.18  | 13.45 | 49.79 | 0.61 | 8.69 | 124.38 | 0.59 | 43.07 |
| 2.211 | 13.44 | 49.79 | 0.65 | 8.7  | 128.9  | 0.66 | 43.07 |
| 2.253 | 13.44 | 49.79 | 0.88 | 8.71 | 129.95 | 0.63 | 43.07 |
| 2.29  | 13.44 | 49.79 | 0.84 | 8.73 | 127.09 | 0.61 | 43.07 |
| 2.307 | 13.44 | 49.79 | 0.65 | 8.75 | 125.22 | 0.63 | 43.07 |
| 2.313 | 13.44 | 49.79 | 0.57 | 8.77 | 124.87 | 0.62 | 43.07 |
| 2.323 | 13.44 | 49.79 | 0.61 | 8.78 | 124.9  | 0.6  | 43.07 |
| 2.354 | 13.44 | 49.79 | 0.65 | 8.79 | 128.04 | 0.65 | 43.07 |
| 2.394 | 13.44 | 49.79 | 0.65 | 8.79 | 129.14 | 0.62 | 43.07 |
| 2.423 | 13.44 | 49.79 | 0.76 | 8.78 | 125.54 | 0.62 | 43.07 |
| 2.436 | 13.44 | 49.79 | 0.65 | 8.77 | 123.69 | 0.61 | 43.07 |
| 2.439 | 13.44 | 49.79 | 0.76 | 8.76 | 125.63 | 0.59 | 43.07 |
| 2.453 | 13.44 | 49.79 | 0.65 | 8.74 | 130.31 | 0.63 | 43.07 |
| 2.488 | 13.44 | 49.79 | 0.57 | 8.74 | 128.01 | 0.64 | 43.07 |
| 2.53  | 13.44 | 49.79 | 0.72 | 8.74 | 125.25 | 0.63 | 43.07 |
| 2.558 | 13.44 | 49.79 | 0.69 | 8.74 | 126.62 | 0.65 | 43.07 |
| 2.572 | 13.44 | 49.79 | 0.69 | 8.75 | 129.92 | 0.61 | 43.07 |
| 2.582 | 13.44 | 49.79 | 0.69 | 8.76 | 130.1  | 0.63 | 43.07 |
| 2.599 | 13.44 | 49.79 | 0.69 | 8.78 | 129.02 | 0.67 | 43.07 |
| 2.626 | 13.44 | 49.79 | 0.53 | 8.79 | 129.77 | 0.61 | 43.07 |
| 2.66  | 13.44 | 49.79 | 0.72 | 8.81 | 130.89 | 0.64 | 43.07 |
| 2.69  | 13.44 | 49.79 | 0.69 | 8.82 | 130.22 | 0.65 | 43.07 |
| 2.706 | 13.44 | 49.79 | 0.72 | 8.83 | 129.56 | 0.61 | 43.07 |
| 2.72  | 13.44 | 49.79 | 0.76 | 8.83 | 130.4  | 0.63 | 43.07 |
| 2.742 | 13.44 | 49.79 | 0.61 | 8.82 | 131.83 | 0.63 | 43.07 |
| 2.769 | 13.44 | 49.79 | 0.61 | 8.8  | 131.44 | 0.65 | 43.07 |
| 2.795 | 13.44 | 49.79 | 0.61 | 8.8  | 131.47 | 0.62 | 43.07 |
| 2.82  | 13.44 | 49.79 | 0.61 | 8.78 | 133.52 | 0.61 | 43.07 |
| 2.842 | 13.44 | 49.79 | 0.57 | 8.78 | 135.87 | 0.64 | 43.07 |
| 2.86  | 13.44 | 49.79 | 0.65 | 8.77 | 136.46 | 0.63 | 43.07 |
| 2.878 | 13.44 | 49.79 | 0.76 | 8.76 | 135.33 | 0.66 | 43.07 |
| 2.901 | 13.44 | 49.79 | 0.69 | 8.77 | 134.64 | 0.66 | 43.07 |
| 2.929 | 13.44 | 49.79 | 0.65 | 8.78 | 138.06 | 0.66 | 43.07 |
| 2.959 | 13.44 | 49.79 | 0.65 | 8.79 | 142.01 | 0.6  | 43.07 |
| 2.986 | 13.44 | 49.79 | 0.65 | 8.8  | 143.5  | 0.66 | 43.07 |
| 3.004 | 13.44 | 49.79 | 0.69 | 8.82 | 140.38 | 0.66 | 43.07 |
| 3.015 | 13.44 | 49.79 | 0.76 | 8.83 | 140.38 | 0.61 | 43.07 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.034 | 13.44 | 49.79 | 0.61 | 8.82 | 144.3  | 0.66 | 43.07 |
| 3.06  | 13.44 | 49.79 | 0.65 | 8.82 | 149.76 | 0.63 | 43.07 |
| 3.094 | 13.44 | 49.79 | 0.76 | 8.82 | 154.7  | 0.61 | 43.07 |
| 3.129 | 13.44 | 49.79 | 0.69 | 8.81 | 153.73 | 0.62 | 43.07 |
| 3.153 | 13.44 | 49.79 | 0.76 | 8.79 | 148.93 | 0.64 | 43.07 |
| 3.163 | 13.44 | 49.79 | 0.84 | 8.77 | 148.79 | 0.64 | 43.07 |
| 3.174 | 13.44 | 49.79 | 0.61 | 8.74 | 154.62 | 0.6  | 43.07 |
| 3.2   | 13.44 | 49.79 | 0.76 | 8.72 | 161.66 | 0.63 | 43.07 |
| 3.235 | 13.44 | 49.79 | 0.57 | 8.7  | 164.53 | 0.62 | 43.07 |
| 3.265 | 13.44 | 49.79 | 0.53 | 8.68 | 165.03 | 0.62 | 43.07 |
| 3.283 | 13.44 | 49.79 | 0.76 | 8.67 | 163.7  | 0.6  | 43.07 |
| 3.297 | 13.44 | 49.79 | 0.84 | 8.67 | 164.15 | 0.66 | 43.07 |
| 3.317 | 13.44 | 49.79 | 0.61 | 8.69 | 166.33 | 0.66 | 43.07 |
| 3.348 | 13.44 | 49.79 | 0.61 | 8.72 | 171.3  | 0.63 | 43.07 |
| 3.378 | 13.44 | 49.79 | 0.65 | 8.75 | 175.85 | 0.67 | 43.07 |
| 3.39  | 13.44 | 49.79 | 0.61 | 8.88 | 180.01 | 0.62 | 43.07 |
| 3.399 | 13.44 | 49.79 | 0.69 | 8.9  | 170.39 | 0.68 | 43.07 |
| 3.406 | 13.44 | 49.79 | 0.84 | 8.91 | 186.56 | 0.64 | 43.07 |
| 3.443 | 13.44 | 49.79 | 0.76 | 8.93 | 212.31 | 0.66 | 43.07 |
| 3.493 | 13.44 | 49.78 | 0.57 | 8.95 | 207.35 | 0.66 | 43.07 |
| 3.512 | 13.44 | 49.78 | 0.53 | 8.97 | 208.99 | 0.63 | 43.07 |
| 3.544 | 13.44 | 49.78 | 0.57 | 8.95 | 239.06 | 0.64 | 43.07 |
| 3.619 | 13.44 | 49.78 | 0.61 | 8.94 | 237.9  | 0.61 | 43.07 |
| 3.636 | 13.43 | 49.78 | 0.92 | 8.96 | 210.45 | 0.65 | 43.07 |
| 3.657 | 13.44 | 49.78 | 0.76 | 8.99 | 262.9  | 0.62 | 43.07 |
| 3.727 | 13.44 | 49.78 | 0.76 | 9.0  | 288.9  | 0.66 | 43.07 |
| 3.763 | 13.43 | 49.78 | 0.72 | 8.96 | 243.54 | 0.63 | 43.07 |
| 3.8   | 13.43 | 49.78 | 0.8  | 8.95 | 264.24 | 0.63 | 43.07 |
| 3.859 | 13.43 | 49.78 | 0.53 | 8.92 | 279.16 | 0.66 | 43.07 |
| 3.863 | 13.43 | 49.78 | 0.69 | 8.92 | 365.44 | 0.65 | 43.07 |
| 3.931 | 13.43 | 49.78 | 0.65 | 8.93 | 419.29 | 0.66 | 43.07 |
| 4.003 | 13.43 | 49.78 | 0.65 | 8.94 | 332.16 | 0.65 | 43.07 |
| 4.012 | 13.43 | 49.78 | 0.57 | 8.95 | 356.33 | 0.63 | 43.07 |
| 4.058 | 13.43 | 49.78 | 0.69 | 8.96 | 389.4  | 0.66 | 43.07 |
| 4.105 | 13.43 | 49.78 | 0.57 | 8.98 | 429.52 | 0.65 | 43.07 |
| 4.123 | 13.43 | 49.78 | 0.8  | 8.98 | 333.94 | 0.68 | 43.07 |
| 4.13  | 13.43 | 49.78 | 0.57 | 8.99 | 405.43 | 0.68 | 43.07 |
| 4.145 | 13.43 | 49.78 | 0.61 | 9.0  | 523.29 | 0.69 | 43.07 |
| 4.171 | 13.43 | 49.78 | 0.8  | 9.01 | 471.9  | 0.64 | 43.07 |
| 4.191 | 13.43 | 49.78 | 0.65 | 9.01 | 349.46 | 0.63 | 43.07 |
| 4.208 | 13.43 | 49.78 | 0.53 | 9.0  | 565.15 | 0.69 | 43.07 |
| 4.235 | 13.43 | 49.78 | 0.69 | 8.99 | 590.86 | 0.7  | 43.07 |
| 4.273 | 13.43 | 49.78 | 0.65 | 8.99 | 379.6  | 0.67 | 43.07 |
| 4.28  | 13.43 | 49.78 | 0.61 | 8.96 | 503.54 | 0.63 | 43.07 |
| 4.303 | 13.43 | 49.78 | 0.72 | 8.95 | 399.09 | 0.68 | 43.07 |
| 4.368 | 13.43 | 49.83 | 0.76 | 8.95 | 337.67 | 0.69 | 43.11 |
| 4.418 | 13.46 | 49.95 | 0.84 | 8.95 | 398.63 | 0.72 | 43.2  |
| 4.434 | 13.46 | 49.91 | 0.53 | 8.98 | 502.02 | 0.71 | 43.17 |
| 4.479 | 13.46 | 49.96 | 0.61 | 9.01 | 486.44 | 0.77 | 43.21 |
| 4.523 | 13.46 | 50.06 | 0.84 | 9.04 | 410.06 | 0.76 | 43.31 |
| 4.543 | 13.48 | 50.04 | 0.65 | 9.1  | 377.58 | 0.75 | 43.27 |
| 4.546 | 13.49 | 50.04 | 0.61 | 9.23 | 421.14 | 0.8  | 43.26 |
| 4.565 | 13.49 | 50.02 | 0.57 | 9.28 | 368.76 | 0.75 | 43.24 |
| 4.604 | 13.49 | 50.06 | 0.72 | 9.31 | 463.76 | 0.75 | 43.28 |
| 4.647 | 13.49 | 50.09 | 0.61 | 9.32 | 525.48 | 0.77 | 43.3  |
| 4.665 | 13.51 | 50.11 | 0.69 | 9.23 | 410.35 | 0.79 | 43.3  |
| 4.687 | 13.51 | 50.09 | 0.65 | 9.18 | 409.97 | 0.79 | 43.28 |
| 4.727 | 13.51 | 50.12 | 0.69 | 9.13 | 431.61 | 0.8  | 43.31 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.762 | 13.52 | 50.12 | 0.65 | 9.08 | 484.87 | 0.76 | 43.3  |
| 4.77  | 13.52 | 50.12 | 0.65 | 9.01 | 356.41 | 0.8  | 43.3  |
| 4.784 | 13.52 | 50.11 | 0.88 | 8.99 | 442.86 | 0.79 | 43.29 |
| 4.821 | 13.52 | 50.11 | 0.65 | 8.98 | 398.07 | 0.81 | 43.3  |
| 4.868 | 13.52 | 50.13 | 0.69 | 8.97 | 438.27 | 0.82 | 43.31 |
| 4.892 | 13.52 | 50.12 | 0.69 | 8.94 | 415.71 | 0.79 | 43.31 |
| 4.894 | 13.52 | 50.12 | 0.72 | 8.92 | 356.41 | 0.78 | 43.3  |
| 4.922 | 13.52 | 50.12 | 0.65 | 8.91 | 369.7  | 0.81 | 43.3  |
| 4.972 | 13.52 | 50.12 | 0.69 | 8.9  | 540.3  | 0.77 | 43.31 |
| 5.019 | 13.52 | 50.12 | 0.72 | 8.9  | 404.59 | 0.82 | 43.31 |
| 5.021 | 13.52 | 50.12 | 0.72 | 8.98 | 407.31 | 0.78 | 43.31 |
| 5.023 | 13.52 | 50.13 | 0.8  | 8.97 | 374.19 | 0.82 | 43.31 |
| 5.036 | 13.52 | 50.13 | 0.8  | 8.96 | 427.13 | 0.83 | 43.3  |
| 5.07  | 13.52 | 50.14 | 0.61 | 8.95 | 440.91 | 0.81 | 43.32 |
| 5.102 | 13.53 | 50.15 | 0.69 | 8.94 | 415.51 | 0.82 | 43.32 |
| 5.118 | 13.54 | 50.15 | 0.65 | 8.93 | 427.83 | 0.83 | 43.31 |
| 5.12  | 13.54 | 50.15 | 0.72 | 8.93 | 384.03 | 0.82 | 43.31 |
| 5.122 | 13.54 | 50.14 | 0.72 | 8.93 | 370.91 | 0.87 | 43.3  |
| 5.136 | 13.54 | 50.14 | 0.69 | 8.93 | 450.31 | 0.83 | 43.3  |
| 5.166 | 13.54 | 50.14 | 0.84 | 8.93 | 476.73 | 0.82 | 43.3  |
| 5.209 | 13.54 | 50.13 | 0.69 | 8.93 | 418.41 | 0.82 | 43.3  |
| 5.241 | 13.53 | 50.14 | 0.69 | 8.93 | 358.98 | 0.95 | 43.31 |
| 5.245 | 13.53 | 50.14 | 0.76 | 8.98 | 499.59 | 0.85 | 43.31 |
| 5.268 | 13.53 | 50.14 | 0.69 | 8.99 | 428.42 | 0.84 | 43.31 |
| 5.315 | 13.53 | 50.14 | 0.8  | 9.01 | 394.31 | 0.82 | 43.31 |
| 5.325 | 13.53 | 50.13 | 0.76 | 9.02 | 361.57 | 0.79 | 43.3  |
| 5.34  | 13.53 | 50.13 | 0.69 | 9.02 | 390.4  | 0.81 | 43.31 |
| 5.4   | 13.53 | 50.13 | 0.65 | 9.02 | 450.63 | 0.82 | 43.31 |
| 5.401 | 13.53 | 50.13 | 0.65 | 8.99 | 348.16 | 0.87 | 43.3  |
| 5.402 | 13.53 | 50.13 | 0.76 | 9.01 | 388.41 | 0.9  | 43.31 |
| 5.407 | 13.53 | 50.13 | 0.84 | 9.04 | 361.99 | 0.94 | 43.31 |
| 5.426 | 13.53 | 50.13 | 0.92 | 9.04 | 402.06 | 0.93 | 43.31 |
| 5.48  | 13.53 | 50.13 | 0.72 | 9.05 | 389.86 | 0.93 | 43.31 |
| 5.514 | 13.53 | 50.14 | 0.65 | 9.05 | 399.28 | 0.93 | 43.31 |



| VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE |            |                     |                |                |                             |                   |                 |
|--|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
|  | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
| <b>MÍNIMO</b>  | 13.8       | 50.1                | 0.46           | 7.49           | 142.67                      | 0.46              | 42.78           |
| <b>PROF (metros)</b>   | 3.618      | 3.479               | 1.017          | 0.727          | 2.261                       | 0.762             | 0.727           |
| <b>MÁXIMO</b>  | 14.08      | 14.08               | 0.95           | 8.55           | 264.24                      | 0.85              | 42.97           |
| <b>PROF (metros)</b>   | 0.727      | 0.727               | 3.222          | 2.649          | 0.727                       | 4.055             | 3.688           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E11 - Punto 017 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 14.07      | 50.23               | 0.69           | 7.52           | 243.45                      | 0.48              | 42.79           |
| 1 - 2m              | 14.0       | 50.18               | 0.62           | 7.58           | 178.26                      | 0.52              | 42.81           |
| 2 - 3m              | 13.85      | 50.14               | 0.67           | 8.42           | 149.64                      | 0.7               | 42.95           |
| 3 - 4m              | 13.81      | 50.11               | 0.79           | 8.49           | 166.49                      | 0.77              | 42.96           |
| 4 - 5m              | 13.82      | 50.12               | 0.86           | 8.51           | 165.02                      | 0.82              | 42.96           |

**OBSERVACIONES GENERALES**

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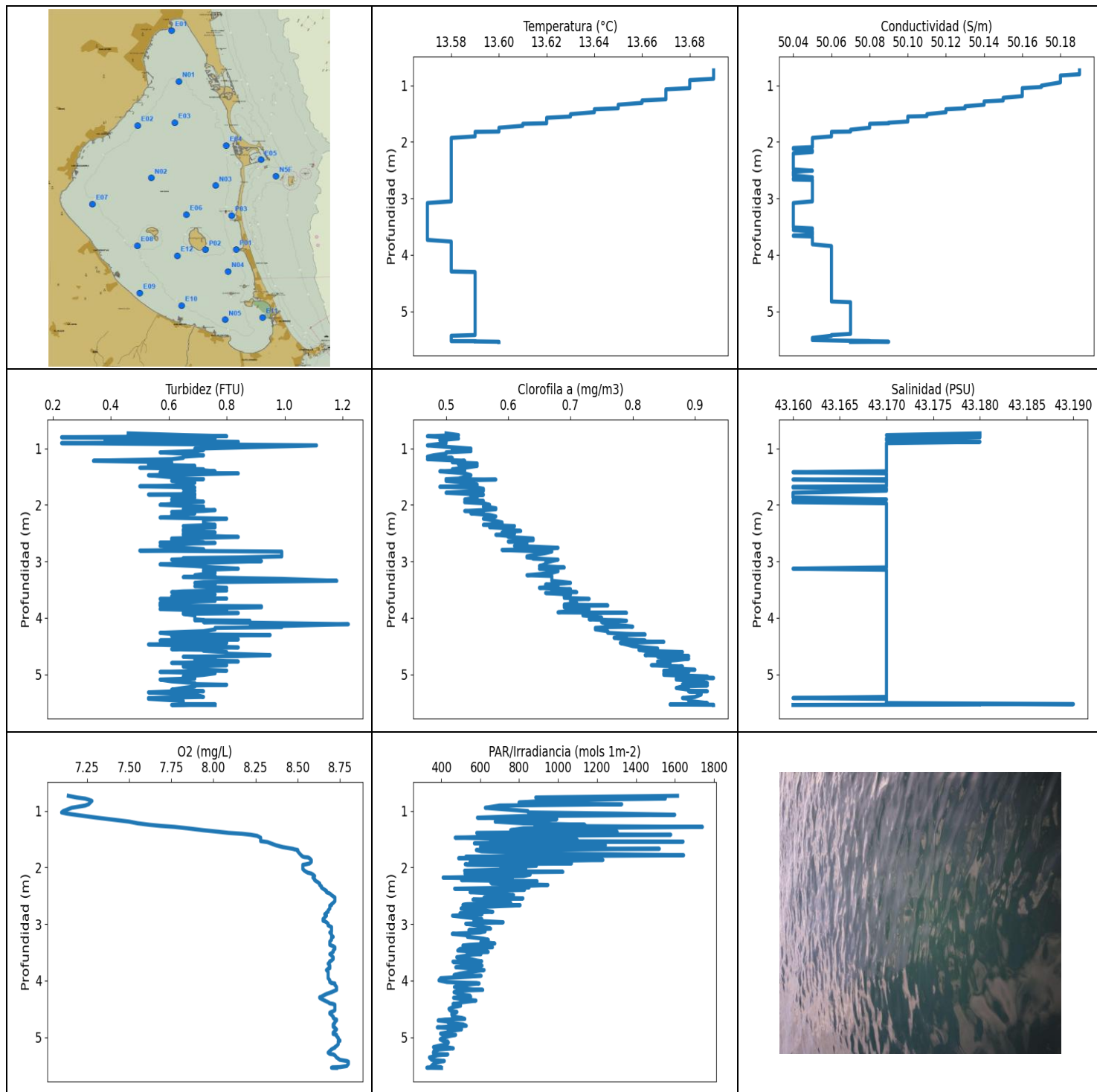
**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.727           | 14.08      | 50.23               | 0.61           | 7.49           | 264.24                      | 0.47              | 42.78           |
| 0.751           | 14.07      | 50.23               | 0.72           | 7.51           | 256.93                      | 0.5               | 42.78           |
| 0.762           | 14.07      | 50.23               | 0.8            | 7.52           | 257.47                      | 0.46              | 42.78           |
| 0.776           | 14.07      | 50.23               | 0.76           | 7.52           | 236.42                      | 0.49              | 42.79           |
| 0.807           | 14.07      | 50.23               | 0.8            | 7.53           | 226.86                      | 0.47              | 42.79           |
| 0.849           | 14.07      | 50.23               | 0.69           | 7.53           | 262.77                      | 0.49              | 42.78           |
| 0.864           | 14.06      | 50.22               | 0.61           | 7.53           | 228.08                      | 0.5               | 42.79           |
| 0.88            | 14.06      | 50.22               | 0.8            | 7.53           | 224.87                      | 0.5               | 42.79           |
| 0.929           | 14.06      | 50.22               | 0.53           | 7.53           | 241.35                      | 0.48              | 42.79           |
| 0.978           | 14.06      | 50.22               | 0.61           | 7.53           | 235.54                      | 0.48              | 42.79           |
| 1.001           | 14.06      | 50.22               | 0.69           | 7.53           | 205.87                      | 0.47              | 42.79           |
| 1.005           | 14.05      | 50.22               | 0.57           | 7.54           | 224.82                      | 0.47              | 42.79           |
| 1.017           | 14.05      | 50.21               | 0.46           | 7.54           | 225.08                      | 0.48              | 42.79           |
| 1.049           | 14.05      | 50.21               | 0.65           | 7.54           | 201.81                      | 0.51              | 42.79           |
| 1.083           | 14.05      | 50.2                | 0.46           | 7.54           | 209.67                      | 0.49              | 42.79           |
| 1.106           | 14.04      | 50.21               | 0.5            | 7.54           | 217.75                      | 0.5               | 42.8            |
| 1.129           | 14.04      | 50.21               | 0.53           | 7.54           | 196.63                      | 0.48              | 42.8            |
| 1.156           | 14.04      | 50.21               | 0.5            | 7.54           | 188.73                      | 0.47              | 42.8            |
| 1.178           | 14.04      | 50.2                | 0.57           | 7.54           | 201.24                      | 0.53              | 42.8            |
| 1.197           | 14.04      | 50.2                | 0.57           | 7.53           | 201.34                      | 0.5               | 42.8            |
| 1.225           | 14.04      | 50.2                | 0.61           | 7.52           | 197.27                      | 0.49              | 42.8            |
| 1.252           | 14.04      | 50.2                | 0.57           | 7.52           | 186.43                      | 0.47              | 42.8            |
| 1.28            | 14.04      | 50.2                | 0.65           | 7.53           | 184.19                      | 0.49              | 42.8            |
| 1.309           | 14.03      | 50.2                | 0.53           | 7.52           | 194.46                      | 0.53              | 42.8            |
| 1.333           | 14.03      | 50.2                | 0.65           | 7.52           | 186.38                      | 0.53              | 42.8            |
| 1.344           | 14.03      | 50.2                | 0.72           | 7.53           | 197.91                      | 0.49              | 42.8            |
| 1.35            | 14.03      | 50.2                | 0.69           | 7.54           | 175.4                       | 0.51              | 42.8            |
| 1.382           | 14.03      | 50.2                | 0.61           | 7.55           | 170.75                      | 0.52              | 42.8            |
| 1.43            | 14.03      | 50.19               | 0.69           | 7.56           | 183.94                      | 0.52              | 42.8            |
| 1.47            | 14.03      | 50.18               | 0.61           | 7.57           | 183.55                      | 0.51              | 42.79           |
| 1.486           | 14.02      | 50.19               | 0.72           | 7.6            | 174.71                      | 0.52              | 42.8            |
| 1.497           | 14.02      | 50.19               | 0.65           | 7.62           | 169.09                      | 0.5               | 42.81           |
| 1.53            | 14.02      | 50.19               | 0.65           | 7.62           | 174.83                      | 0.51              | 42.81           |
| 1.573           | 14.02      | 50.16               | 0.5            | 7.62           | 169.68                      | 0.54              | 42.78           |
| 1.603           | 14.01      | 50.16               | 0.69           | 7.61           | 176.99                      | 0.52              | 42.79           |
| 1.607           | 14.0       | 50.16               | 0.65           | 7.59           | 162.34                      | 0.51              | 42.8            |
| 1.621           | 14.0       | 50.16               | 0.76           | 7.59           | 162.71                      | 0.53              | 42.81           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.664 | 13.99 | 50.16 | 0.5  | 7.59 | 164.8  | 0.5  | 42.8  |
| 1.71  | 13.99 | 50.15 | 0.8  | 7.59 | 167.5  | 0.53 | 42.8  |
| 1.727 | 13.97 | 50.15 | 0.69 | 7.6  | 159.43 | 0.55 | 42.82 |
| 1.748 | 13.97 | 50.15 | 0.61 | 7.59 | 157.08 | 0.55 | 42.82 |
| 1.791 | 13.98 | 50.14 | 0.53 | 7.58 | 156.93 | 0.53 | 42.81 |
| 1.83  | 13.97 | 50.14 | 0.57 | 7.58 | 159.76 | 0.54 | 42.81 |
| 1.849 | 13.95 | 50.14 | 0.61 | 7.59 | 163.17 | 0.53 | 42.84 |
| 1.857 | 13.94 | 50.14 | 0.61 | 7.6  | 155.81 | 0.53 | 42.85 |
| 1.871 | 13.94 | 50.14 | 0.61 | 7.61 | 153.73 | 0.53 | 42.85 |
| 1.895 | 13.94 | 50.14 | 0.61 | 7.62 | 155.27 | 0.56 | 42.85 |
| 1.917 | 13.93 | 50.14 | 0.69 | 7.65 | 156.5  | 0.56 | 42.86 |
| 1.933 | 13.92 | 50.14 | 0.5  | 7.67 | 153.94 | 0.54 | 42.88 |
| 1.946 | 13.91 | 50.14 | 0.61 | 7.71 | 153.37 | 0.55 | 42.88 |
| 1.965 | 13.91 | 50.15 | 0.72 | 7.75 | 153.48 | 0.55 | 42.89 |
| 1.988 | 13.9  | 50.15 | 0.72 | 7.79 | 152.56 | 0.56 | 42.9  |
| 2.011 | 13.89 | 50.15 | 0.46 | 7.85 | 152.28 | 0.58 | 42.91 |
| 2.038 | 13.88 | 50.15 | 0.57 | 7.9  | 148.65 | 0.67 | 42.92 |
| 2.066 | 13.88 | 50.15 | 0.61 | 7.96 | 149.48 | 0.64 | 42.92 |
| 2.091 | 13.87 | 50.15 | 0.65 | 8.02 | 152.45 | 0.65 | 42.93 |
| 2.109 | 13.87 | 50.15 | 0.61 | 8.08 | 149.44 | 0.61 | 42.94 |
| 2.123 | 13.87 | 50.15 | 0.53 | 8.15 | 145.14 | 0.66 | 42.94 |
| 2.139 | 13.87 | 50.15 | 0.69 | 8.22 | 146.02 | 0.66 | 42.94 |
| 2.163 | 13.87 | 50.15 | 0.65 | 8.28 | 146.09 | 0.68 | 42.94 |
| 2.195 | 13.86 | 50.15 | 0.61 | 8.35 | 148.03 | 0.63 | 42.94 |
| 2.226 | 13.86 | 50.15 | 0.69 | 8.41 | 149.69 | 0.69 | 42.95 |
| 2.248 | 13.86 | 50.15 | 0.72 | 8.46 | 146.33 | 0.73 | 42.95 |
| 2.261 | 13.86 | 50.15 | 0.65 | 8.5  | 142.67 | 0.7  | 42.95 |
| 2.272 | 13.86 | 50.15 | 0.72 | 8.52 | 143.27 | 0.74 | 42.95 |
| 2.297 | 13.86 | 50.15 | 0.65 | 8.53 | 149.31 | 0.69 | 42.95 |
| 2.341 | 13.86 | 50.15 | 0.65 | 8.53 | 143.5  | 0.71 | 42.95 |
| 2.385 | 13.86 | 50.15 | 0.5  | 8.53 | 146.16 | 0.72 | 42.95 |
| 2.388 | 13.85 | 50.15 | 0.61 | 8.53 | 143.97 | 0.69 | 42.96 |
| 2.414 | 13.86 | 50.15 | 0.8  | 8.52 | 148.82 | 0.72 | 42.96 |
| 2.472 | 13.86 | 50.15 | 0.69 | 8.54 | 146.7  | 0.71 | 42.95 |
| 2.515 | 13.86 | 50.15 | 0.65 | 8.52 | 148.82 | 0.72 | 42.95 |
| 2.52  | 13.85 | 50.15 | 0.57 | 8.53 | 148.82 | 0.72 | 42.96 |
| 2.529 | 13.85 | 50.15 | 0.65 | 8.53 | 149.24 | 0.7  | 42.96 |
| 2.568 | 13.85 | 50.15 | 0.61 | 8.54 | 152.52 | 0.7  | 42.95 |
| 2.608 | 13.85 | 50.15 | 0.76 | 8.54 | 150.14 | 0.73 | 42.95 |
| 2.629 | 13.85 | 50.14 | 0.65 | 8.54 | 150.52 | 0.7  | 42.95 |
| 2.635 | 13.85 | 50.14 | 0.69 | 8.54 | 151.19 | 0.73 | 42.95 |
| 2.649 | 13.85 | 50.15 | 0.88 | 8.55 | 150.91 | 0.69 | 42.96 |
| 2.678 | 13.85 | 50.15 | 0.69 | 8.54 | 152.14 | 0.72 | 42.96 |
| 2.714 | 13.85 | 50.14 | 0.57 | 8.52 | 152.52 | 0.78 | 42.95 |
| 2.743 | 13.85 | 50.14 | 0.65 | 8.5  | 150.17 | 0.78 | 42.95 |
| 2.758 | 13.85 | 50.14 | 0.69 | 8.5  | 150.98 | 0.75 | 42.95 |
| 2.768 | 13.85 | 50.14 | 0.61 | 8.5  | 153.77 | 0.73 | 42.95 |
| 2.784 | 13.85 | 50.14 | 0.72 | 8.49 | 151.43 | 0.71 | 42.95 |
| 2.812 | 13.85 | 50.14 | 0.8  | 8.49 | 149.69 | 0.74 | 42.95 |
| 2.844 | 13.85 | 50.13 | 0.88 | 8.49 | 152.84 | 0.73 | 42.95 |
| 2.876 | 13.84 | 50.12 | 0.8  | 8.5  | 153.84 | 0.74 | 42.94 |
| 2.903 | 13.83 | 50.12 | 0.69 | 8.49 | 151.33 | 0.76 | 42.95 |
| 2.916 | 13.83 | 50.13 | 0.72 | 8.5  | 152.59 | 0.71 | 42.96 |
| 2.926 | 13.83 | 50.13 | 0.72 | 8.49 | 153.13 | 0.73 | 42.96 |
| 2.951 | 13.83 | 50.13 | 0.76 | 8.48 | 155.7  | 0.73 | 42.96 |
| 2.988 | 13.83 | 50.12 | 0.8  | 8.48 | 154.98 | 0.72 | 42.95 |
| 3.014 | 13.83 | 50.13 | 0.72 | 8.46 | 154.84 | 0.7  | 42.96 |
| 3.033 | 13.83 | 50.12 | 0.76 | 8.46 | 156.17 | 0.76 | 42.96 |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 3.053 | 13.83 | 50.12 | 0.61 | 8.46 | 155.96 | 0.76 | 42.96 |
| 3.076 | 13.83 | 50.12 | 0.8  | 8.47 | 157.08 | 0.77 | 42.96 |
| 3.099 | 13.83 | 50.12 | 0.84 | 8.48 | 157.01 | 0.76 | 42.96 |
| 3.121 | 13.82 | 50.12 | 0.69 | 8.49 | 157.85 | 0.74 | 42.96 |
| 3.144 | 13.82 | 50.12 | 0.69 | 8.5  | 161.14 | 0.74 | 42.96 |
| 3.17  | 13.82 | 50.12 | 0.84 | 8.51 | 158.84 | 0.78 | 42.96 |
| 3.198 | 13.82 | 50.12 | 0.8  | 8.5  | 160.24 | 0.77 | 42.96 |
| 3.222 | 13.82 | 50.12 | 0.95 | 8.49 | 160.17 | 0.71 | 42.96 |
| 3.237 | 13.82 | 50.12 | 0.76 | 8.47 | 159.69 | 0.77 | 42.96 |
| 3.25  | 13.82 | 50.12 | 0.72 | 8.46 | 160.73 | 0.76 | 42.96 |
| 3.273 | 13.82 | 50.12 | 0.84 | 8.46 | 163.24 | 0.76 | 42.96 |
| 3.306 | 13.82 | 50.11 | 0.84 | 8.46 | 165.03 | 0.74 | 42.96 |
| 3.34  | 13.82 | 50.11 | 0.92 | 8.47 | 164.65 | 0.76 | 42.96 |
| 3.364 | 13.81 | 50.11 | 0.84 | 8.49 | 162.56 | 0.79 | 42.96 |
| 3.375 | 13.81 | 50.11 | 0.8  | 8.51 | 163.13 | 0.79 | 42.96 |
| 3.381 | 13.81 | 50.11 | 0.8  | 8.52 | 163.81 | 0.76 | 42.96 |
| 3.403 | 13.81 | 50.11 | 0.76 | 8.54 | 167.22 | 0.74 | 42.96 |
| 3.443 | 13.81 | 50.11 | 0.8  | 8.55 | 169.33 | 0.77 | 42.96 |
| 3.479 | 13.81 | 50.1  | 0.88 | 8.54 | 166.8  | 0.74 | 42.96 |
| 3.498 | 13.81 | 50.1  | 0.8  | 8.53 | 162.6  | 0.76 | 42.96 |
| 3.501 | 13.81 | 50.1  | 0.72 | 8.53 | 161.66 | 0.79 | 42.96 |
| 3.51  | 13.81 | 50.1  | 0.72 | 8.52 | 165.37 | 0.78 | 42.96 |
| 3.535 | 13.81 | 50.1  | 0.8  | 8.52 | 169.06 | 0.79 | 42.96 |
| 3.573 | 13.81 | 50.1  | 0.8  | 8.51 | 169.6  | 0.79 | 42.96 |
| 3.603 | 13.81 | 50.1  | 0.92 | 8.51 | 168.86 | 0.78 | 42.96 |
| 3.618 | 13.8  | 50.1  | 0.76 | 8.49 | 165.3  | 0.78 | 42.96 |
| 3.625 | 13.8  | 50.1  | 0.72 | 8.48 | 168.74 | 0.76 | 42.96 |
| 3.639 | 13.81 | 50.1  | 0.8  | 8.47 | 171.38 | 0.78 | 42.96 |
| 3.661 | 13.81 | 50.1  | 0.84 | 8.46 | 173.06 | 0.78 | 42.96 |
| 3.688 | 13.81 | 50.11 | 0.72 | 8.47 | 175.48 | 0.79 | 42.97 |
| 3.719 | 13.81 | 50.11 | 0.8  | 8.47 | 174.67 | 0.76 | 42.97 |
| 3.741 | 13.81 | 50.11 | 0.72 | 8.47 | 172.3  | 0.79 | 42.97 |
| 3.748 | 13.81 | 50.11 | 0.84 | 8.49 | 169.88 | 0.79 | 42.96 |
| 3.768 | 13.81 | 50.11 | 0.76 | 8.49 | 175.4  | 0.79 | 42.96 |
| 3.807 | 13.81 | 50.11 | 0.72 | 8.49 | 177.65 | 0.82 | 42.97 |
| 3.842 | 13.81 | 50.11 | 0.61 | 8.49 | 176.63 | 0.79 | 42.97 |
| 3.859 | 13.81 | 50.11 | 0.8  | 8.48 | 171.98 | 0.78 | 42.96 |
| 3.86  | 13.81 | 50.11 | 0.76 | 8.48 | 167.85 | 0.8  | 42.96 |
| 3.871 | 13.81 | 50.11 | 0.95 | 8.47 | 175.04 | 0.83 | 42.96 |
| 3.911 | 13.81 | 50.11 | 0.8  | 8.46 | 186.25 | 0.79 | 42.96 |
| 3.951 | 13.82 | 50.11 | 0.76 | 8.5  | 165.8  | 0.81 | 42.96 |
| 3.962 | 13.82 | 50.11 | 0.92 | 8.52 | 175.48 | 0.82 | 42.96 |
| 4.01  | 13.82 | 50.11 | 0.88 | 8.54 | 183.6  | 0.81 | 42.96 |
| 4.043 | 13.82 | 50.12 | 0.92 | 8.54 | 177.86 | 0.8  | 42.96 |
| 4.051 | 13.82 | 50.12 | 0.95 | 8.51 | 160.95 | 0.79 | 42.96 |
| 4.054 | 13.82 | 50.12 | 0.95 | 8.5  | 159.87 | 0.83 | 42.96 |
| 4.055 | 13.82 | 50.12 | 0.69 | 8.49 | 156.9  | 0.85 | 42.96 |
| 4.056 | 13.82 | 50.12 | 0.8  | 8.5  | 150.94 | 0.85 | 42.96 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.57      | 50.04               | 0.23           | 7.1            | 326.59                      | 0.47                           | 43.16           |
| <b>PROF (metros)</b> | 3.081      | 2.107               | 0.802          | 1.028          | 5.538                       | 0.784                          | 1.421           |
| <b>MÁXIMO</b>        | 13.69      | 13.69               | 1.22           | 8.8            | 1740.8                      | 0.93                           | 43.19           |
| <b>PROF (metros)</b> | 0.734      | 0.734               | 4.112          | 5.432          | 1.283                       | 5.064                          | 5.527           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD N05 - Punto 018 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.69      | 50.18               | 0.61           | 7.23           | 1058.88                     | 0.5               | 43.18           |
| 1 - 2m              | 13.63      | 50.11               | 0.64           | 8.1            | 903.98                      | 0.53              | 43.17           |
| 2 - 3m              | 13.58      | 50.04               | 0.71           | 8.65           | 664.09                      | 0.6               | 43.17           |
| 3 - 4m              | 13.57      | 50.05               | 0.73           | 8.69           | 552.98                      | 0.69              | 43.17           |
| 4 - 5m              | 13.59      | 50.06               | 0.74           | 8.7            | 480.52                      | 0.82              | 43.17           |
| 5 - 6m              | 13.59      | 50.07               | 0.66           | 8.73           | 391.26                      | 0.9               | 43.17           |

**OBSERVACIONES GENERALES**

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**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

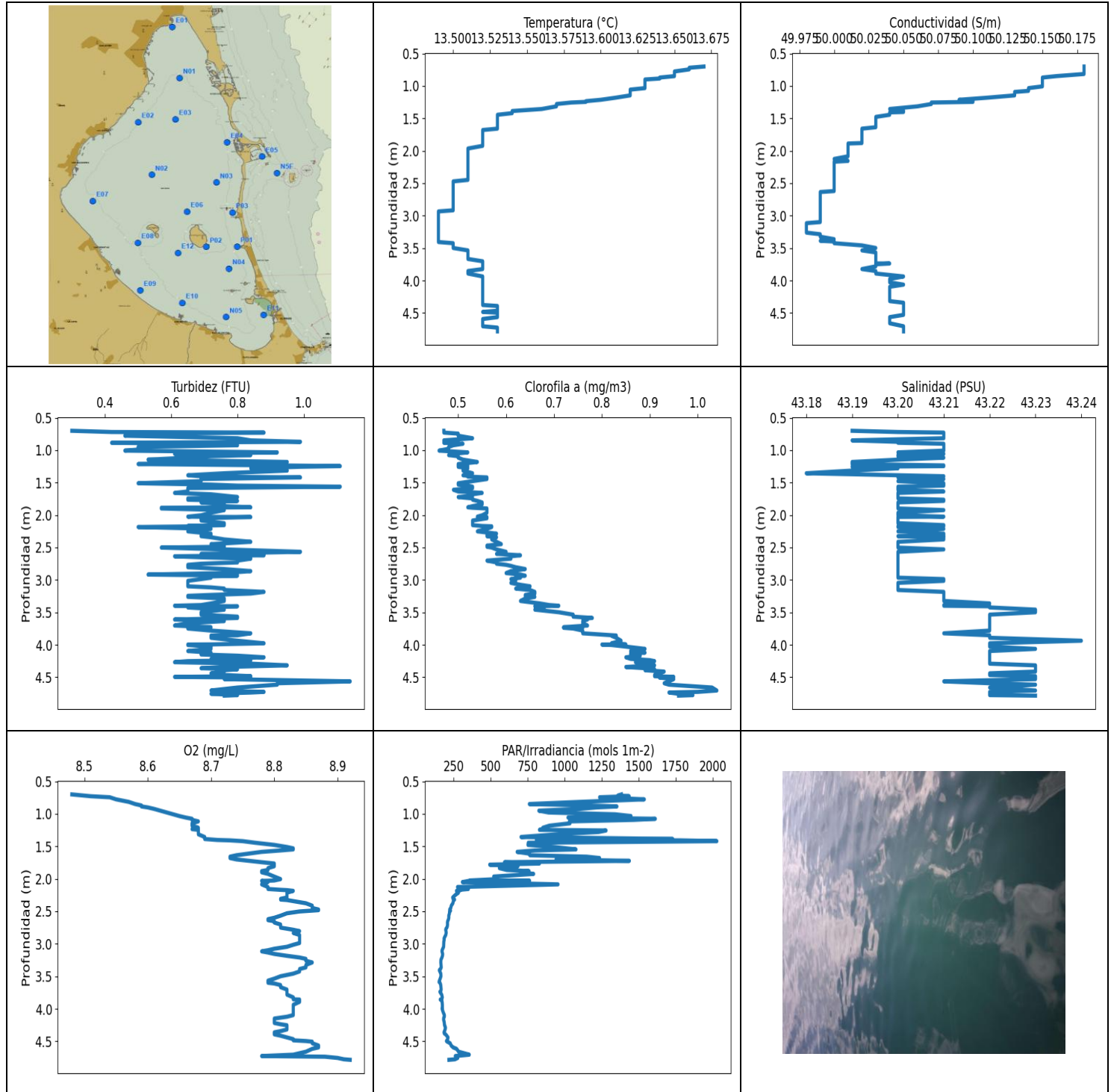
| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.734           | 13.69      | 50.19               | 0.46           | 7.14           | 1613.0                      | 0.5               | 43.18           |
| 0.764           | 13.69      | 50.19               | 0.65           | 7.19           | 885.39                      | 0.52              | 43.17           |
| 0.784           | 13.69      | 50.19               | 0.8            | 7.24           | 1550.3                      | 0.47              | 43.18           |
| 0.802           | 13.69      | 50.19               | 0.23           | 7.26           | 1100.2                      | 0.5               | 43.18           |
| 0.824           | 13.69      | 50.18               | 0.76           | 7.28           | 927.62                      | 0.52              | 43.17           |
| 0.853           | 13.69      | 50.18               | 0.38           | 7.27           | 799.55                      | 0.49              | 43.17           |
| 0.883           | 13.69      | 50.18               | 0.84           | 7.26           | 1326.7                      | 0.5               | 43.18           |
| 0.906           | 13.68      | 50.18               | 0.23           | 7.24           | 700.44                      | 0.5               | 43.17           |
| 0.946           | 13.68      | 50.18               | 1.11           | 7.16           | 626.69                      | 0.47              | 43.17           |
| 1.004           | 13.68      | 50.17               | 0.69           | 7.11           | 844.7                       | 0.54              | 43.17           |
| 1.028           | 13.68      | 50.17               | 0.72           | 7.1            | 847.84                      | 0.51              | 43.17           |
| 1.048           | 13.68      | 50.16               | 0.69           | 7.13           | 1285.0                      | 0.54              | 43.17           |
| 1.069           | 13.67      | 50.16               | 0.57           | 7.18           | 1598.9                      | 0.5               | 43.17           |
| 1.093           | 13.67      | 50.16               | 0.65           | 7.24           | 805.69                      | 0.5               | 43.17           |
| 1.121           | 13.67      | 50.16               | 0.72           | 7.31           | 586.09                      | 0.48              | 43.17           |
| 1.147           | 13.67      | 50.16               | 0.65           | 7.38           | 993.26                      | 0.47              | 43.17           |
| 1.168           | 13.67      | 50.16               | 0.65           | 7.44           | 913.75                      | 0.51              | 43.17           |
| 1.19            | 13.67      | 50.16               | 0.61           | 7.5            | 677.29                      | 0.47              | 43.17           |
| 1.219           | 13.67      | 50.15               | 0.34           | 7.55           | 823.05                      | 0.53              | 43.17           |
| 1.246           | 13.67      | 50.15               | 0.61           | 7.62           | 1137.2                      | 0.51              | 43.17           |
| 1.266           | 13.66      | 50.15               | 0.61           | 7.69           | 881.91                      | 0.55              | 43.17           |
| 1.283           | 13.66      | 50.14               | 0.53           | 7.77           | 1740.8                      | 0.52              | 43.17           |
| 1.309           | 13.66      | 50.14               | 0.69           | 7.85           | 821.34                      | 0.55              | 43.17           |
| 1.342           | 13.65      | 50.14               | 0.5            | 7.94           | 756.64                      | 0.53              | 43.17           |
| 1.369           | 13.65      | 50.13               | 0.72           | 8.03           | 1303.0                      | 0.51              | 43.17           |
| 1.389           | 13.65      | 50.13               | 0.72           | 8.09           | 582.7                       | 0.53              | 43.17           |
| 1.405           | 13.65      | 50.13               | 0.76           | 8.17           | 586.77                      | 0.49              | 43.17           |
| 1.421           | 13.64      | 50.12               | 0.57           | 8.22           | 1578.3                      | 0.51              | 43.16           |
| 1.442           | 13.64      | 50.12               | 0.84           | 8.26           | 807.37                      | 0.53              | 43.17           |
| 1.474           | 13.64      | 50.12               | 0.53           | 8.28           | 471.9                       | 0.54              | 43.17           |
| 1.509           | 13.63      | 50.11               | 0.61           | 8.28           | 1097.9                      | 0.53              | 43.17           |
| 1.534           | 13.63      | 50.11               | 0.65           | 8.28           | 654.15                      | 0.52              | 43.17           |
| 1.543           | 13.63      | 50.11               | 0.72           | 8.3            | 1641.7                      | 0.5               | 43.17           |
| 1.551           | 13.63      | 50.1                | 0.65           | 8.32           | 716.36                      | 0.58              | 43.16           |
| 1.573           | 13.62      | 50.1                | 0.61           | 8.34           | 570.54                      | 0.5               | 43.17           |
| 1.607           | 13.62      | 50.1                | 0.69           | 8.37           | 1242.8                      | 0.53              | 43.17           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.639 | 13.62 | 50.1  | 0.65 | 8.41 | 601.5  | 0.55 | 43.17 |
| 1.66  | 13.62 | 50.09 | 0.61 | 8.45 | 626.4  | 0.53 | 43.17 |
| 1.67  | 13.62 | 50.09 | 0.5  | 8.47 | 1519.7 | 0.53 | 43.17 |
| 1.679 | 13.61 | 50.08 | 0.61 | 8.48 | 1133.0 | 0.49 | 43.16 |
| 1.692 | 13.61 | 50.08 | 0.69 | 8.5  | 580.55 | 0.55 | 43.16 |
| 1.715 | 13.61 | 50.08 | 0.65 | 8.5  | 607.1  | 0.56 | 43.17 |
| 1.749 | 13.6  | 50.08 | 0.69 | 8.51 | 882.93 | 0.56 | 43.17 |
| 1.784 | 13.6  | 50.07 | 0.65 | 8.52 | 1644.4 | 0.5  | 43.16 |
| 1.808 | 13.6  | 50.07 | 0.69 | 8.53 | 526.94 | 0.54 | 43.16 |
| 1.817 | 13.6  | 50.07 | 0.53 | 8.54 | 833.23 | 0.56 | 43.16 |
| 1.822 | 13.59 | 50.06 | 0.69 | 8.56 | 671.66 | 0.56 | 43.16 |
| 1.837 | 13.59 | 50.06 | 0.61 | 8.57 | 489.73 | 0.54 | 43.16 |
| 1.868 | 13.59 | 50.06 | 0.69 | 8.58 | 1230.2 | 0.55 | 43.16 |
| 1.903 | 13.59 | 50.06 | 0.61 | 8.58 | 548.12 | 0.53 | 43.17 |
| 1.929 | 13.58 | 50.05 | 0.69 | 8.57 | 1068.7 | 0.56 | 43.16 |
| 1.943 | 13.58 | 50.05 | 0.72 | 8.55 | 523.41 | 0.53 | 43.16 |
| 1.953 | 13.58 | 50.05 | 0.61 | 8.53 | 534.32 | 0.53 | 43.16 |
| 1.971 | 13.58 | 50.05 | 0.65 | 8.53 | 888.27 | 0.56 | 43.17 |
| 1.998 | 13.58 | 50.05 | 0.57 | 8.53 | 706.14 | 0.57 | 43.17 |
| 2.029 | 13.58 | 50.05 | 0.72 | 8.53 | 834.0  | 0.56 | 43.17 |
| 2.057 | 13.58 | 50.05 | 0.72 | 8.54 | 520.39 | 0.58 | 43.17 |
| 2.077 | 13.58 | 50.05 | 0.65 | 8.55 | 1024.6 | 0.58 | 43.17 |
| 2.092 | 13.58 | 50.05 | 0.76 | 8.56 | 534.19 | 0.56 | 43.17 |
| 2.107 | 13.58 | 50.04 | 0.72 | 8.58 | 522.08 | 0.53 | 43.17 |
| 2.125 | 13.58 | 50.04 | 0.61 | 8.59 | 856.73 | 0.56 | 43.17 |
| 2.151 | 13.58 | 50.05 | 0.69 | 8.6  | 822.86 | 0.54 | 43.17 |
| 2.179 | 13.58 | 50.05 | 0.61 | 8.59 | 409.97 | 0.57 | 43.17 |
| 2.203 | 13.58 | 50.04 | 0.65 | 8.6  | 765.1  | 0.58 | 43.17 |
| 2.224 | 13.58 | 50.04 | 0.57 | 8.6  | 504.71 | 0.57 | 43.17 |
| 2.244 | 13.58 | 50.04 | 0.8  | 8.61 | 891.98 | 0.56 | 43.17 |
| 2.262 | 13.58 | 50.04 | 0.72 | 8.62 | 654.15 | 0.57 | 43.17 |
| 2.285 | 13.58 | 50.04 | 0.72 | 8.63 | 660.09 | 0.58 | 43.17 |
| 2.309 | 13.58 | 50.04 | 0.72 | 8.63 | 947.61 | 0.59 | 43.17 |
| 2.331 | 13.58 | 50.04 | 0.72 | 8.64 | 796.04 | 0.59 | 43.17 |
| 2.353 | 13.58 | 50.04 | 0.76 | 8.64 | 850.99 | 0.56 | 43.17 |
| 2.375 | 13.58 | 50.04 | 0.65 | 8.65 | 469.17 | 0.61 | 43.17 |
| 2.395 | 13.58 | 50.04 | 0.76 | 8.66 | 827.65 | 0.57 | 43.17 |
| 2.413 | 13.58 | 50.04 | 0.69 | 8.67 | 657.64 | 0.6  | 43.17 |
| 2.436 | 13.58 | 50.04 | 0.65 | 8.67 | 548.12 | 0.6  | 43.17 |
| 2.461 | 13.58 | 50.04 | 0.65 | 8.69 | 688.53 | 0.62 | 43.17 |
| 2.487 | 13.58 | 50.04 | 0.76 | 8.7  | 771.34 | 0.59 | 43.17 |
| 2.51  | 13.58 | 50.05 | 0.65 | 8.71 | 741.19 | 0.61 | 43.17 |
| 2.529 | 13.58 | 50.04 | 0.65 | 8.72 | 620.33 | 0.58 | 43.17 |
| 2.547 | 13.58 | 50.04 | 0.72 | 8.72 | 819.44 | 0.6  | 43.17 |
| 2.567 | 13.58 | 50.04 | 0.84 | 8.72 | 563.31 | 0.6  | 43.17 |
| 2.595 | 13.58 | 50.04 | 0.61 | 8.72 | 738.96 | 0.64 | 43.17 |
| 2.625 | 13.58 | 50.05 | 0.61 | 8.71 | 757.34 | 0.64 | 43.17 |
| 2.649 | 13.58 | 50.04 | 0.65 | 8.7  | 532.71 | 0.6  | 43.17 |
| 2.662 | 13.58 | 50.04 | 0.72 | 8.7  | 511.77 | 0.63 | 43.17 |
| 2.666 | 13.58 | 50.04 | 0.57 | 8.7  | 805.13 | 0.63 | 43.17 |
| 2.673 | 13.58 | 50.05 | 0.76 | 8.69 | 770.62 | 0.62 | 43.17 |
| 2.693 | 13.58 | 50.05 | 0.61 | 8.69 | 636.94 | 0.63 | 43.17 |
| 2.725 | 13.58 | 50.05 | 0.57 | 8.69 | 502.14 | 0.61 | 43.17 |
| 2.759 | 13.58 | 50.05 | 0.65 | 8.68 | 614.47 | 0.68 | 43.17 |
| 2.783 | 13.58 | 50.05 | 0.72 | 8.68 | 664.85 | 0.66 | 43.17 |
| 2.797 | 13.58 | 50.05 | 0.69 | 8.67 | 530.86 | 0.59 | 43.17 |
| 2.809 | 13.58 | 50.05 | 0.5  | 8.67 | 496.7  | 0.62 | 43.17 |
| 2.826 | 13.58 | 50.05 | 0.99 | 8.66 | 609.64 | 0.67 | 43.17 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.852 | 13.58 | 50.05 | 0.99 | 8.67 | 458.32 | 0.66 | 43.17 |
| 2.911 | 13.58 | 50.05 | 0.99 | 8.65 | 608.37 | 0.63 | 43.17 |
| 2.93  | 13.58 | 50.05 | 0.84 | 8.65 | 568.43 | 0.63 | 43.17 |
| 2.942 | 13.58 | 50.05 | 0.65 | 8.65 | 567.9  | 0.64 | 43.17 |
| 2.951 | 13.58 | 50.05 | 0.72 | 8.66 | 626.11 | 0.64 | 43.17 |
| 2.968 | 13.58 | 50.05 | 0.61 | 8.67 | 718.19 | 0.68 | 43.17 |
| 2.994 | 13.58 | 50.05 | 0.92 | 8.68 | 526.33 | 0.67 | 43.17 |
| 3.023 | 13.58 | 50.05 | 0.72 | 8.68 | 584.6  | 0.66 | 43.17 |
| 3.053 | 13.58 | 50.05 | 0.57 | 8.7  | 614.18 | 0.66 | 43.17 |
| 3.081 | 13.57 | 50.04 | 0.69 | 8.7  | 653.69 | 0.65 | 43.17 |
| 3.107 | 13.57 | 50.04 | 0.76 | 8.7  | 542.56 | 0.69 | 43.17 |
| 3.129 | 13.57 | 50.04 | 0.84 | 8.7  | 625.39 | 0.65 | 43.16 |
| 3.149 | 13.57 | 50.04 | 0.72 | 8.69 | 600.94 | 0.67 | 43.17 |
| 3.173 | 13.57 | 50.04 | 0.72 | 8.7  | 456.94 | 0.68 | 43.17 |
| 3.201 | 13.57 | 50.04 | 0.76 | 8.7  | 542.93 | 0.67 | 43.17 |
| 3.226 | 13.57 | 50.04 | 0.72 | 8.71 | 535.06 | 0.65 | 43.17 |
| 3.244 | 13.57 | 50.04 | 0.69 | 8.7  | 579.34 | 0.63 | 43.17 |
| 3.258 | 13.57 | 50.04 | 0.76 | 8.7  | 616.46 | 0.67 | 43.17 |
| 3.278 | 13.57 | 50.04 | 0.65 | 8.7  | 641.83 | 0.67 | 43.17 |
| 3.31  | 13.57 | 50.04 | 0.99 | 8.69 | 604.02 | 0.67 | 43.17 |
| 3.344 | 13.57 | 50.04 | 1.18 | 8.69 | 675.25 | 0.67 | 43.17 |
| 3.367 | 13.57 | 50.04 | 0.72 | 8.69 | 546.09 | 0.69 | 43.17 |
| 3.38  | 13.57 | 50.04 | 0.69 | 8.7  | 511.66 | 0.7  | 43.17 |
| 3.39  | 13.57 | 50.04 | 0.76 | 8.71 | 594.3  | 0.69 | 43.17 |
| 3.41  | 13.57 | 50.04 | 0.76 | 8.72 | 663.15 | 0.66 | 43.17 |
| 3.439 | 13.57 | 50.04 | 0.69 | 8.72 | 496.24 | 0.68 | 43.17 |
| 3.468 | 13.57 | 50.04 | 0.8  | 8.71 | 485.21 | 0.65 | 43.17 |
| 3.492 | 13.57 | 50.04 | 0.76 | 8.71 | 641.09 | 0.7  | 43.17 |
| 3.515 | 13.57 | 50.04 | 0.8  | 8.7  | 533.21 | 0.67 | 43.17 |
| 3.532 | 13.57 | 50.05 | 0.65 | 8.69 | 604.02 | 0.69 | 43.17 |
| 3.544 | 13.57 | 50.05 | 0.61 | 8.7  | 539.55 | 0.71 | 43.17 |
| 3.559 | 13.57 | 50.04 | 0.65 | 8.7  | 529.51 | 0.66 | 43.17 |
| 3.586 | 13.57 | 50.05 | 0.76 | 8.71 | 479.95 | 0.7  | 43.17 |
| 3.617 | 13.57 | 50.05 | 0.61 | 8.71 | 548.24 | 0.69 | 43.17 |
| 3.645 | 13.57 | 50.05 | 0.65 | 8.7  | 582.97 | 0.69 | 43.17 |
| 3.658 | 13.57 | 50.04 | 0.8  | 8.69 | 607.95 | 0.72 | 43.17 |
| 3.664 | 13.57 | 50.04 | 0.57 | 8.69 | 460.44 | 0.73 | 43.17 |
| 3.673 | 13.57 | 50.05 | 0.72 | 8.69 | 464.63 | 0.7  | 43.17 |
| 3.699 | 13.57 | 50.05 | 0.76 | 8.68 | 531.97 | 0.7  | 43.17 |
| 3.735 | 13.57 | 50.05 | 0.57 | 8.69 | 609.78 | 0.71 | 43.17 |
| 3.764 | 13.58 | 50.05 | 0.57 | 8.69 | 475.08 | 0.69 | 43.17 |
| 3.78  | 13.58 | 50.05 | 0.65 | 8.69 | 546.21 | 0.76 | 43.17 |
| 3.786 | 13.58 | 50.05 | 0.57 | 8.68 | 567.9  | 0.69 | 43.17 |
| 3.794 | 13.58 | 50.05 | 0.92 | 8.68 | 552.71 | 0.72 | 43.17 |
| 3.813 | 13.58 | 50.05 | 0.92 | 8.67 | 620.33 | 0.69 | 43.17 |
| 3.844 | 13.58 | 50.06 | 0.57 | 8.68 | 552.2  | 0.73 | 43.17 |
| 3.877 | 13.58 | 50.06 | 0.8  | 8.68 | 495.78 | 0.71 | 43.17 |
| 3.902 | 13.58 | 50.06 | 0.8  | 8.68 | 466.14 | 0.68 | 43.17 |
| 3.911 | 13.58 | 50.06 | 0.65 | 8.68 | 515.58 | 0.79 | 43.17 |
| 3.914 | 13.58 | 50.06 | 0.84 | 8.68 | 605.14 | 0.72 | 43.17 |
| 3.928 | 13.58 | 50.06 | 0.65 | 8.68 | 550.28 | 0.72 | 43.17 |
| 3.956 | 13.58 | 50.06 | 0.69 | 8.68 | 397.89 | 0.72 | 43.17 |
| 3.994 | 13.58 | 50.06 | 0.69 | 8.69 | 388.68 | 0.75 | 43.17 |
| 4.025 | 13.58 | 50.06 | 0.69 | 8.69 | 429.82 | 0.73 | 43.17 |
| 4.039 | 13.58 | 50.06 | 0.72 | 8.7  | 531.85 | 0.76 | 43.17 |
| 4.042 | 13.58 | 50.06 | 0.69 | 8.7  | 580.68 | 0.78 | 43.17 |
| 4.05  | 13.58 | 50.06 | 0.88 | 8.72 | 594.85 | 0.79 | 43.17 |
| 4.075 | 13.58 | 50.06 | 0.72 | 8.72 | 514.99 | 0.75 | 43.17 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.112 | 13.58 | 50.06 | 1.22 | 8.73 | 467.98 | 0.76 | 43.17 |
| 4.155 | 13.58 | 50.06 | 0.88 | 8.73 | 561.75 | 0.8  | 43.17 |
| 4.163 | 13.58 | 50.06 | 0.99 | 8.73 | 613.33 | 0.76 | 43.17 |
| 4.177 | 13.58 | 50.06 | 0.76 | 8.72 | 487.57 | 0.74 | 43.17 |
| 4.203 | 13.58 | 50.06 | 0.76 | 8.7  | 466.14 | 0.74 | 43.17 |
| 4.236 | 13.58 | 50.06 | 0.72 | 8.67 | 492.0  | 0.76 | 43.17 |
| 4.265 | 13.58 | 50.06 | 0.57 | 8.65 | 547.74 | 0.76 | 43.17 |
| 4.283 | 13.58 | 50.06 | 0.61 | 8.64 | 551.43 | 0.79 | 43.17 |
| 4.294 | 13.58 | 50.06 | 0.72 | 8.63 | 488.71 | 0.82 | 43.17 |
| 4.303 | 13.59 | 50.06 | 0.95 | 8.63 | 463.76 | 0.78 | 43.17 |
| 4.323 | 13.59 | 50.06 | 0.61 | 8.64 | 500.63 | 0.79 | 43.17 |
| 4.352 | 13.59 | 50.06 | 0.65 | 8.66 | 578.4  | 0.77 | 43.17 |
| 4.381 | 13.59 | 50.06 | 0.84 | 8.68 | 510.23 | 0.79 | 43.17 |
| 4.401 | 13.59 | 50.06 | 0.57 | 8.69 | 487.8  | 0.82 | 43.17 |
| 4.412 | 13.59 | 50.06 | 0.8  | 8.71 | 460.76 | 0.79 | 43.17 |
| 4.424 | 13.59 | 50.06 | 0.65 | 8.72 | 490.29 | 0.85 | 43.17 |
| 4.443 | 13.59 | 50.06 | 0.8  | 8.72 | 499.59 | 0.78 | 43.17 |
| 4.47  | 13.59 | 50.06 | 0.53 | 8.72 | 458.32 | 0.79 | 43.17 |
| 4.499 | 13.59 | 50.06 | 0.72 | 8.72 | 440.1  | 0.8  | 43.17 |
| 4.523 | 13.59 | 50.06 | 0.84 | 8.72 | 445.43 | 0.82 | 43.17 |
| 4.541 | 13.59 | 50.06 | 0.65 | 8.71 | 458.0  | 0.84 | 43.17 |
| 4.553 | 13.59 | 50.06 | 0.61 | 8.7  | 480.95 | 0.84 | 43.17 |
| 4.565 | 13.59 | 50.06 | 0.72 | 8.69 | 475.52 | 0.81 | 43.17 |
| 4.583 | 13.59 | 50.06 | 0.72 | 8.69 | 454.61 | 0.82 | 43.17 |
| 4.606 | 13.59 | 50.06 | 0.8  | 8.7  | 455.14 | 0.88 | 43.17 |
| 4.634 | 13.59 | 50.06 | 0.8  | 8.71 | 458.74 | 0.83 | 43.17 |
| 4.659 | 13.59 | 50.06 | 0.95 | 8.71 | 506.93 | 0.82 | 43.17 |
| 4.676 | 13.59 | 50.06 | 0.84 | 8.72 | 521.35 | 0.89 | 43.17 |
| 4.688 | 13.59 | 50.06 | 0.65 | 8.73 | 419.58 | 0.84 | 43.17 |
| 4.703 | 13.59 | 50.06 | 0.72 | 8.73 | 384.47 | 0.85 | 43.17 |
| 4.722 | 13.59 | 50.06 | 0.76 | 8.72 | 433.92 | 0.89 | 43.17 |
| 4.747 | 13.59 | 50.06 | 0.69 | 8.72 | 436.74 | 0.87 | 43.17 |
| 4.772 | 13.59 | 50.06 | 0.84 | 8.71 | 512.49 | 0.84 | 43.17 |
| 4.798 | 13.59 | 50.06 | 0.61 | 8.71 | 528.9  | 0.86 | 43.17 |
| 4.815 | 13.59 | 50.06 | 0.76 | 8.71 | 435.13 | 0.84 | 43.17 |
| 4.825 | 13.59 | 50.06 | 0.65 | 8.72 | 380.13 | 0.86 | 43.17 |
| 4.838 | 13.59 | 50.07 | 0.8  | 8.72 | 445.43 | 0.83 | 43.17 |
| 4.861 | 13.59 | 50.07 | 0.65 | 8.73 | 504.36 | 0.88 | 43.17 |
| 4.89  | 13.59 | 50.07 | 0.69 | 8.72 | 437.45 | 0.86 | 43.17 |
| 4.918 | 13.59 | 50.07 | 0.72 | 8.71 | 429.72 | 0.9  | 43.17 |
| 4.934 | 13.59 | 50.07 | 0.8  | 8.71 | 396.88 | 0.85 | 43.17 |
| 4.943 | 13.59 | 50.07 | 0.69 | 8.71 | 409.21 | 0.85 | 43.17 |
| 4.957 | 13.59 | 50.07 | 0.57 | 8.73 | 474.31 | 0.89 | 43.17 |
| 4.98  | 13.59 | 50.07 | 0.76 | 8.73 | 441.22 | 0.85 | 43.17 |
| 5.009 | 13.59 | 50.07 | 0.72 | 8.74 | 407.69 | 0.85 | 43.17 |
| 5.037 | 13.59 | 50.07 | 0.65 | 8.74 | 394.86 | 0.92 | 43.17 |
| 5.056 | 13.59 | 50.07 | 0.65 | 8.75 | 405.15 | 0.91 | 43.17 |
| 5.064 | 13.59 | 50.07 | 0.65 | 8.75 | 413.4  | 0.93 | 43.17 |
| 5.072 | 13.59 | 50.07 | 0.69 | 8.74 | 432.71 | 0.87 | 43.17 |
| 5.092 | 13.59 | 50.07 | 0.57 | 8.74 | 437.05 | 0.87 | 43.17 |
| 5.123 | 13.59 | 50.07 | 0.61 | 8.74 | 431.61 | 0.91 | 43.17 |
| 5.154 | 13.59 | 50.07 | 0.69 | 8.73 | 384.56 | 0.92 | 43.17 |
| 5.174 | 13.59 | 50.07 | 0.69 | 8.72 | 360.56 | 0.88 | 43.17 |
| 5.184 | 13.59 | 50.07 | 0.8  | 8.72 | 443.79 | 0.88 | 43.17 |
| 5.196 | 13.59 | 50.07 | 0.69 | 8.71 | 462.26 | 0.92 | 43.17 |
| 5.214 | 13.59 | 50.07 | 0.69 | 8.7  | 389.77 | 0.88 | 43.17 |
| 5.241 | 13.59 | 50.07 | 0.65 | 8.69 | 363.16 | 0.87 | 43.17 |
| 5.272 | 13.59 | 50.07 | 0.61 | 8.68 | 359.9  | 0.89 | 43.17 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 5.294 | 13.59 | 50.07 | 0.69 | 8.69 | 363.16 | 0.89 | 43.17 |
| 5.299 | 13.59 | 50.07 | 0.72 | 8.7  | 416.19 | 0.92 | 43.17 |
| 5.302 | 13.59 | 50.07 | 0.61 | 8.71 | 433.92 | 0.89 | 43.17 |
| 5.319 | 13.59 | 50.07 | 0.53 | 8.72 | 379.51 | 0.91 | 43.17 |
| 5.357 | 13.59 | 50.07 | 0.69 | 8.73 | 339.64 | 0.91 | 43.17 |
| 5.399 | 13.59 | 50.07 | 0.72 | 8.75 | 351.41 | 0.9  | 43.17 |
| 5.419 | 13.59 | 50.06 | 0.53 | 8.79 | 416.19 | 0.88 | 43.16 |
| 5.432 | 13.58 | 50.06 | 0.53 | 8.8  | 393.58 | 0.89 | 43.17 |
| 5.47  | 13.58 | 50.05 | 0.65 | 8.8  | 361.23 | 0.89 | 43.17 |
| 5.508 | 13.58 | 50.05 | 0.65 | 8.79 | 349.38 | 0.92 | 43.17 |
| 5.527 | 13.58 | 50.08 | 0.65 | 8.75 | 363.16 | 0.89 | 43.19 |
| 5.528 | 13.59 | 50.07 | 0.76 | 8.74 | 399.37 | 0.89 | 43.18 |
| 5.532 | 13.59 | 50.08 | 0.69 | 8.71 | 361.15 | 0.86 | 43.18 |
| 5.538 | 13.6  | 50.09 | 0.65 | 8.7  | 326.59 | 0.93 | 43.17 |
| 5.541 | 13.6  | 50.07 | 0.61 | 8.71 | 395.13 | 0.93 | 43.16 |
| 5.542 | 13.6  | 50.07 | 0.76 | 8.73 | 401.69 | 0.93 | 43.16 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.49      | 49.98               | 0.3            | 8.48           | 150.49                      | 0.46                           | 43.18           |
| <b>PROF (metros)</b> | 2.935      | 3.116               | 0.701          | 0.701          | 3.587                       | 1.007                          | 1.356           |
| <b>MÁXIMO</b>        | 13.67      | 13.67               | 1.14           | 8.92           | 2027.6                      | 1.04                           | 43.24           |
| <b>PROF (metros)</b> | 0.701      | 0.701               | 4.565          | 4.785          | 1.42                        | 4.706                          | 3.938           |



**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E10 - Punto 019 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.65      | 50.16               | 0.63           | 8.57           | 1180.4                      | 0.49              | 43.2            |
| 1 - 2m              | 13.55      | 50.05               | 0.74           | 8.74           | 986.15                      | 0.52              | 43.2            |
| 2 - 3m              | 13.5       | 50.0                | 0.72           | 8.82           | 268.36                      | 0.58              | 43.2            |
| 3 - 4m              | 13.5       | 50.01               | 0.72           | 8.82           | 165.03                      | 0.72              | 43.22           |
| 4 - 5m              | 13.52      | 50.04               | 0.78           | 8.83           | 212.22                      | 0.91              | 43.22           |

**OBSERVACIONES GENERALES**

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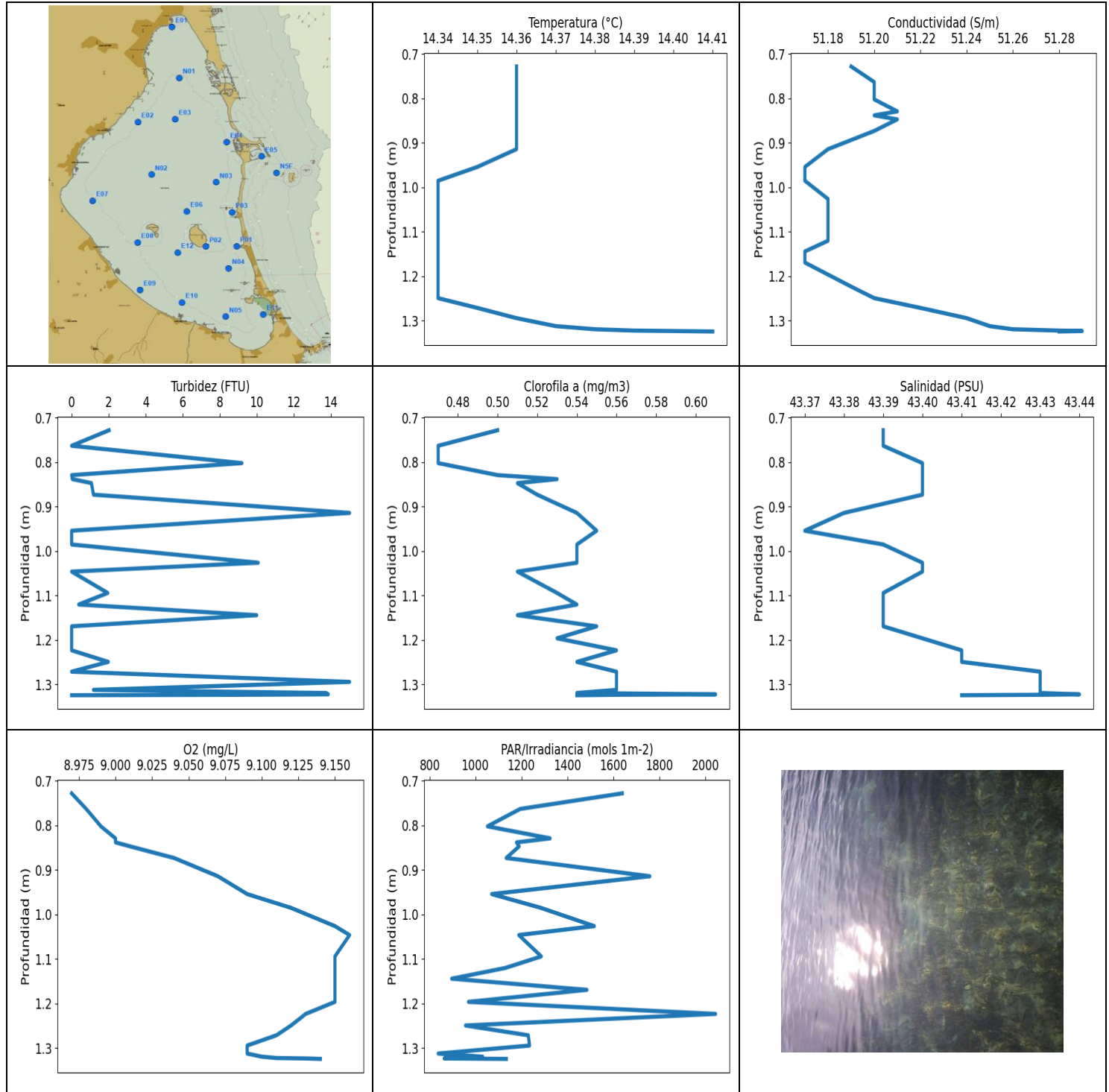
**DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| Profundidad (m) | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.701           | 13.67      | 50.18               | 0.3            | 8.48           | 1383.3                      | 0.47              | 43.19           |
| 0.72            | 13.66      | 50.18               | 0.42           | 8.5            | 1357.5                      | 0.47              | 43.2            |
| 0.729           | 13.66      | 50.18               | 0.88           | 8.51           | 1435.2                      | 0.47              | 43.21           |
| 0.745           | 13.66      | 50.18               | 0.5            | 8.54           | 1235.3                      | 0.5               | 43.21           |
| 0.777           | 13.65      | 50.18               | 0.46           | 8.55           | 1537.5                      | 0.5               | 43.21           |
| 0.816           | 13.65      | 50.18               | 0.8            | 8.57           | 1101.7                      | 0.53              | 43.21           |
| 0.849           | 13.65      | 50.16               | 0.84           | 8.58           | 760.51                      | 0.47              | 43.19           |
| 0.871           | 13.64      | 50.15               | 0.99           | 8.59           | 1152.6                      | 0.5               | 43.2            |
| 0.886           | 13.64      | 50.15               | 0.42           | 8.59           | 1352.5                      | 0.47              | 43.2            |
| 0.901           | 13.63      | 50.15               | 0.69           | 8.6            | 1214.9                      | 0.51              | 43.21           |
| 0.924           | 13.63      | 50.15               | 0.8            | 8.61           | 1098.9                      | 0.49              | 43.21           |
| 0.951           | 13.63      | 50.15               | 0.5            | 8.62           | 824.77                      | 0.48              | 43.21           |
| 0.979           | 13.63      | 50.15               | 0.53           | 8.63           | 890.54                      | 0.48              | 43.21           |
| 1.007           | 13.63      | 50.15               | 0.46           | 8.64           | 1340.0                      | 0.46              | 43.21           |
| 1.034           | 13.63      | 50.14               | 0.92           | 8.65           | 1447.5                      | 0.52              | 43.2            |
| 1.057           | 13.62      | 50.14               | 0.61           | 8.66           | 1021.5                      | 0.49              | 43.21           |
| 1.076           | 13.62      | 50.14               | 0.84           | 8.67           | 1611.9                      | 0.48              | 43.2            |
| 1.093           | 13.62      | 50.13               | 0.72           | 8.67           | 1465.8                      | 0.5               | 43.2            |
| 1.116           | 13.62      | 50.13               | 0.65           | 8.68           | 1031.3                      | 0.5               | 43.21           |
| 1.146           | 13.62      | 50.13               | 0.53           | 8.67           | 1034.9                      | 0.51              | 43.2            |
| 1.182           | 13.61      | 50.11               | 0.95           | 8.67           | 895.92                      | 0.54              | 43.19           |
| 1.214           | 13.6       | 50.09               | 0.5            | 8.68           | 851.97                      | 0.5               | 43.19           |
| 1.235           | 13.59      | 50.1                | 0.92           | 8.67           | 847.25                      | 0.5               | 43.21           |
| 1.246           | 13.59      | 50.1                | 1.11           | 8.68           | 828.61                      | 0.52              | 43.21           |
| 1.256           | 13.58      | 50.07               | 0.99           | 8.68           | 1279.0                      | 0.5               | 43.19           |
| 1.279           | 13.57      | 50.07               | 0.84           | 8.68           | 1228.8                      | 0.52              | 43.2            |
| 1.315           | 13.57      | 50.06               | 0.95           | 8.68           | 945.63                      | 0.51              | 43.19           |
| 1.356           | 13.56      | 50.04               | 0.76           | 8.69           | 704.35                      | 0.53              | 43.18           |
| 1.387           | 13.54      | 50.05               | 0.65           | 8.69           | 1729.6                      | 0.51              | 43.2            |
| 1.402           | 13.54      | 50.05               | 0.69           | 8.71           | 808.12                      | 0.53              | 43.21           |
| 1.408           | 13.54      | 50.04               | 0.69           | 8.73           | 1781.2                      | 0.52              | 43.2            |
| 1.42            | 13.54      | 50.04               | 0.99           | 8.75           | 2027.6                      | 0.56              | 43.2            |
| 1.445           | 13.53      | 50.04               | 0.69           | 8.77           | 753.32                      | 0.56              | 43.21           |
| 1.478           | 13.53      | 50.03               | 0.69           | 8.8            | 751.4                       | 0.53              | 43.2            |
| 1.51            | 13.53      | 50.03               | 0.5            | 8.82           | 928.91                      | 0.5               | 43.21           |
| 1.531           | 13.53      | 50.03               | 0.72           | 8.83           | 1010.4                      | 0.5               | 43.21           |
| 1.547           | 13.53      | 50.03               | 0.8            | 8.83           | 1075.7                      | 0.52              | 43.21           |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.563 | 13.53 | 50.03 | 1.11 | 8.81 | 800.11 | 0.53 | 43.2  |
| 1.585 | 13.53 | 50.03 | 0.65 | 8.78 | 678.23 | 0.53 | 43.2  |
| 1.611 | 13.53 | 50.03 | 0.65 | 8.76 | 758.22 | 0.49 | 43.2  |
| 1.637 | 13.53 | 50.03 | 0.65 | 8.74 | 764.22 | 0.5  | 43.21 |
| 1.659 | 13.53 | 50.02 | 0.61 | 8.73 | 1147.8 | 0.55 | 43.2  |
| 1.68  | 13.52 | 50.02 | 0.72 | 8.73 | 1235.0 | 0.53 | 43.2  |
| 1.701 | 13.52 | 50.02 | 0.76 | 8.74 | 941.04 | 0.53 | 43.2  |
| 1.723 | 13.52 | 50.02 | 0.8  | 8.76 | 1436.5 | 0.5  | 43.2  |
| 1.744 | 13.52 | 50.02 | 0.65 | 8.78 | 592.78 | 0.53 | 43.2  |
| 1.764 | 13.52 | 50.02 | 0.65 | 8.8  | 828.8  | 0.53 | 43.21 |
| 1.782 | 13.52 | 50.02 | 0.8  | 8.8  | 492.8  | 0.54 | 43.21 |
| 1.806 | 13.52 | 50.02 | 0.69 | 8.8  | 683.6  | 0.55 | 43.2  |
| 1.835 | 13.52 | 50.02 | 0.76 | 8.79 | 557.99 | 0.55 | 43.2  |
| 1.863 | 13.52 | 50.02 | 0.76 | 8.79 | 607.25 | 0.53 | 43.2  |
| 1.881 | 13.52 | 50.02 | 0.84 | 8.78 | 758.57 | 0.52 | 43.2  |
| 1.888 | 13.52 | 50.01 | 0.57 | 8.78 | 708.93 | 0.53 | 43.2  |
| 1.899 | 13.52 | 50.01 | 0.57 | 8.78 | 702.39 | 0.56 | 43.2  |
| 1.924 | 13.52 | 50.01 | 0.76 | 8.79 | 789.79 | 0.56 | 43.21 |
| 1.965 | 13.51 | 50.01 | 0.72 | 8.8  | 519.78 | 0.56 | 43.2  |
| 2.004 | 13.51 | 50.01 | 0.69 | 8.81 | 543.06 | 0.55 | 43.2  |
| 2.025 | 13.51 | 50.01 | 0.65 | 8.8  | 358.98 | 0.54 | 43.21 |
| 2.029 | 13.51 | 50.01 | 0.72 | 8.79 | 762.27 | 0.54 | 43.2  |
| 2.031 | 13.51 | 50.01 | 0.84 | 8.78 | 353.37 | 0.56 | 43.2  |
| 2.05  | 13.51 | 50.01 | 0.69 | 8.79 | 308.13 | 0.56 | 43.2  |
| 2.085 | 13.51 | 50.01 | 0.69 | 8.78 | 954.44 | 0.53 | 43.2  |
| 2.126 | 13.51 | 50.0  | 0.76 | 8.79 | 275.24 | 0.53 | 43.2  |
| 2.156 | 13.51 | 50.01 | 0.76 | 8.79 | 348.89 | 0.53 | 43.21 |
| 2.169 | 13.51 | 50.0  | 0.65 | 8.81 | 286.5  | 0.55 | 43.21 |
| 2.174 | 13.51 | 50.0  | 0.69 | 8.82 | 295.68 | 0.57 | 43.2  |
| 2.185 | 13.51 | 50.0  | 0.5  | 8.83 | 268.13 | 0.57 | 43.2  |
| 2.213 | 13.51 | 50.0  | 0.72 | 8.82 | 281.63 | 0.56 | 43.21 |
| 2.252 | 13.51 | 50.0  | 0.65 | 8.82 | 258.49 | 0.54 | 43.2  |
| 2.287 | 13.51 | 50.0  | 0.72 | 8.82 | 242.58 | 0.58 | 43.21 |
| 2.308 | 13.51 | 50.0  | 0.72 | 8.81 | 245.52 | 0.56 | 43.21 |
| 2.319 | 13.51 | 50.0  | 0.69 | 8.81 | 255.33 | 0.57 | 43.21 |
| 2.326 | 13.51 | 50.0  | 0.69 | 8.82 | 247.46 | 0.56 | 43.2  |
| 2.343 | 13.51 | 50.0  | 0.72 | 8.83 | 247.29 | 0.58 | 43.21 |
| 2.376 | 13.51 | 50.0  | 0.76 | 8.85 | 243.76 | 0.57 | 43.21 |
| 2.413 | 13.51 | 50.0  | 0.84 | 8.86 | 233.32 | 0.58 | 43.2  |
| 2.449 | 13.51 | 50.0  | 0.72 | 8.86 | 229.56 | 0.59 | 43.2  |
| 2.472 | 13.5  | 50.0  | 0.76 | 8.87 | 222.59 | 0.56 | 43.2  |
| 2.482 | 13.5  | 50.0  | 0.72 | 8.87 | 226.81 | 0.57 | 43.2  |
| 2.489 | 13.5  | 50.0  | 0.76 | 8.86 | 228.34 | 0.56 | 43.2  |
| 2.502 | 13.5  | 50.0  | 0.57 | 8.84 | 221.51 | 0.57 | 43.2  |
| 2.53  | 13.5  | 50.0  | 0.76 | 8.82 | 220.79 | 0.58 | 43.21 |
| 2.567 | 13.5  | 50.0  | 0.99 | 8.81 | 216.34 | 0.6  | 43.2  |
| 2.599 | 13.5  | 50.0  | 0.69 | 8.8  | 216.39 | 0.58 | 43.2  |
| 2.621 | 13.5  | 50.0  | 0.88 | 8.79 | 214.34 | 0.63 | 43.2  |
| 2.636 | 13.5  | 49.99 | 0.61 | 8.79 | 211.87 | 0.61 | 43.2  |
| 2.652 | 13.5  | 49.99 | 0.69 | 8.8  | 208.7  | 0.61 | 43.2  |
| 2.673 | 13.5  | 49.99 | 0.84 | 8.8  | 207.3  | 0.61 | 43.2  |
| 2.703 | 13.5  | 49.99 | 0.8  | 8.81 | 207.83 | 0.56 | 43.2  |
| 2.731 | 13.5  | 49.99 | 0.8  | 8.81 | 206.3  | 0.58 | 43.2  |
| 2.751 | 13.5  | 49.99 | 0.69 | 8.81 | 203.12 | 0.58 | 43.2  |
| 2.768 | 13.5  | 49.99 | 0.65 | 8.82 | 197.41 | 0.6  | 43.2  |
| 2.784 | 13.5  | 49.99 | 0.65 | 8.83 | 195.41 | 0.61 | 43.2  |
| 2.805 | 13.5  | 49.99 | 0.65 | 8.84 | 197.55 | 0.62 | 43.2  |
| 2.833 | 13.5  | 49.99 | 0.76 | 8.83 | 198.65 | 0.64 | 43.2  |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.865 | 13.5  | 49.99 | 0.84 | 8.84 | 195.63 | 0.61 | 43.2  |
| 2.895 | 13.5  | 49.99 | 0.76 | 8.84 | 188.77 | 0.6  | 43.2  |
| 2.918 | 13.5  | 49.99 | 0.53 | 8.84 | 184.45 | 0.63 | 43.2  |
| 2.935 | 13.49 | 49.99 | 0.8  | 8.84 | 185.18 | 0.64 | 43.2  |
| 2.95  | 13.49 | 49.99 | 0.69 | 8.84 | 184.28 | 0.62 | 43.2  |
| 2.966 | 13.49 | 49.99 | 0.72 | 8.84 | 182.79 | 0.63 | 43.2  |
| 2.988 | 13.49 | 49.99 | 0.69 | 8.84 | 182.49 | 0.61 | 43.21 |
| 3.015 | 13.49 | 49.99 | 0.65 | 8.83 | 182.16 | 0.62 | 43.21 |
| 3.046 | 13.49 | 49.99 | 0.65 | 8.82 | 181.31 | 0.61 | 43.2  |
| 3.076 | 13.49 | 49.99 | 0.65 | 8.8  | 175.4  | 0.63 | 43.2  |
| 3.099 | 13.49 | 49.99 | 0.65 | 8.79 | 171.07 | 0.65 | 43.2  |
| 3.116 | 13.49 | 49.98 | 0.72 | 8.78 | 170.04 | 0.63 | 43.2  |
| 3.134 | 13.49 | 49.98 | 0.76 | 8.79 | 172.38 | 0.62 | 43.2  |
| 3.156 | 13.49 | 49.98 | 0.76 | 8.8  | 175.04 | 0.65 | 43.2  |
| 3.185 | 13.49 | 49.98 | 0.88 | 8.82 | 173.54 | 0.66 | 43.21 |
| 3.211 | 13.49 | 49.98 | 0.84 | 8.84 | 169.84 | 0.66 | 43.21 |
| 3.232 | 13.49 | 49.98 | 0.72 | 8.85 | 166.03 | 0.64 | 43.21 |
| 3.246 | 13.49 | 49.98 | 0.65 | 8.85 | 163.13 | 0.64 | 43.21 |
| 3.262 | 13.49 | 49.98 | 0.65 | 8.85 | 163.01 | 0.66 | 43.21 |
| 3.287 | 13.49 | 49.99 | 0.76 | 8.86 | 162.45 | 0.64 | 43.21 |
| 3.325 | 13.49 | 49.99 | 0.76 | 8.85 | 163.66 | 0.63 | 43.21 |
| 3.363 | 13.49 | 50.0  | 0.72 | 8.85 | 165.18 | 0.67 | 43.22 |
| 3.388 | 13.49 | 49.99 | 0.69 | 8.84 | 160.47 | 0.69 | 43.21 |
| 3.399 | 13.49 | 50.0  | 0.61 | 8.84 | 154.09 | 0.71 | 43.21 |
| 3.407 | 13.49 | 50.0  | 0.8  | 8.84 | 152.21 | 0.66 | 43.22 |
| 3.425 | 13.5  | 50.0  | 0.65 | 8.84 | 155.74 | 0.68 | 43.22 |
| 3.459 | 13.5  | 50.02 | 0.76 | 8.83 | 162.37 | 0.66 | 43.23 |
| 3.499 | 13.5  | 50.03 | 0.69 | 8.81 | 163.32 | 0.71 | 43.23 |
| 3.536 | 13.51 | 50.02 | 0.69 | 8.8  | 158.07 | 0.74 | 43.22 |
| 3.567 | 13.51 | 50.03 | 0.8  | 8.79 | 152.95 | 0.74 | 43.22 |
| 3.587 | 13.51 | 50.03 | 0.8  | 8.79 | 150.49 | 0.78 | 43.22 |
| 3.599 | 13.51 | 50.03 | 0.72 | 8.79 | 155.38 | 0.76 | 43.22 |
| 3.611 | 13.51 | 50.03 | 0.61 | 8.8  | 159.28 | 0.77 | 43.22 |
| 3.635 | 13.51 | 50.03 | 0.76 | 8.81 | 161.88 | 0.76 | 43.22 |
| 3.668 | 13.51 | 50.03 | 0.65 | 8.81 | 163.24 | 0.76 | 43.22 |
| 3.704 | 13.52 | 50.03 | 0.61 | 8.82 | 164.72 | 0.77 | 43.22 |
| 3.73  | 13.52 | 50.03 | 0.72 | 8.82 | 161.62 | 0.72 | 43.22 |
| 3.737 | 13.52 | 50.03 | 0.65 | 8.82 | 157.96 | 0.76 | 43.22 |
| 3.738 | 13.52 | 50.04 | 0.69 | 8.82 | 156.06 | 0.72 | 43.22 |
| 3.75  | 13.52 | 50.03 | 0.65 | 8.82 | 159.1  | 0.74 | 43.22 |
| 3.782 | 13.52 | 50.03 | 0.72 | 8.82 | 168.51 | 0.76 | 43.22 |
| 3.824 | 13.52 | 50.02 | 0.84 | 8.83 | 172.54 | 0.76 | 43.21 |
| 3.854 | 13.51 | 50.03 | 0.8  | 8.83 | 168.74 | 0.82 | 43.22 |
| 3.858 | 13.51 | 50.03 | 0.72 | 8.84 | 158.32 | 0.83 | 43.22 |
| 3.862 | 13.51 | 50.03 | 0.72 | 8.84 | 164.91 | 0.82 | 43.22 |
| 3.893 | 13.51 | 50.03 | 0.72 | 8.84 | 171.3  | 0.83 | 43.22 |
| 3.938 | 13.52 | 50.05 | 0.8  | 8.83 | 172.86 | 0.84 | 43.24 |
| 3.978 | 13.52 | 50.04 | 0.88 | 8.83 | 173.06 | 0.82 | 43.22 |
| 3.995 | 13.52 | 50.04 | 0.72 | 8.83 | 172.1  | 0.85 | 43.22 |
| 3.997 | 13.52 | 50.04 | 0.65 | 8.83 | 170.87 | 0.8  | 43.22 |
| 4.004 | 13.52 | 50.04 | 0.65 | 8.83 | 171.78 | 0.82 | 43.22 |
| 4.029 | 13.52 | 50.04 | 0.72 | 8.83 | 174.96 | 0.85 | 43.22 |
| 4.064 | 13.52 | 50.05 | 0.72 | 8.83 | 180.43 | 0.89 | 43.23 |
| 4.097 | 13.52 | 50.04 | 0.65 | 8.83 | 186.64 | 0.86 | 43.22 |
| 4.122 | 13.52 | 50.04 | 0.72 | 8.82 | 186.25 | 0.89 | 43.22 |
| 4.136 | 13.52 | 50.04 | 0.69 | 8.81 | 182.45 | 0.86 | 43.22 |
| 4.15  | 13.52 | 50.04 | 0.69 | 8.8  | 181.57 | 0.86 | 43.22 |
| 4.169 | 13.52 | 50.04 | 0.8  | 8.8  | 181.31 | 0.88 | 43.22 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 4.194 | 13.52 | 50.04 | 0.88 | 8.8  | 184.41 | 0.85 | 43.22 |
| 4.218 | 13.52 | 50.04 | 0.72 | 8.8  | 186.04 | 0.86 | 43.22 |
| 4.238 | 13.52 | 50.04 | 0.84 | 8.81 | 186.6  | 0.9  | 43.22 |
| 4.253 | 13.52 | 50.04 | 0.65 | 8.82 | 187.38 | 0.91 | 43.22 |
| 4.269 | 13.52 | 50.04 | 0.61 | 8.82 | 191.06 | 0.87 | 43.22 |
| 4.292 | 13.52 | 50.04 | 0.84 | 8.82 | 193.96 | 0.9  | 43.22 |
| 4.318 | 13.52 | 50.04 | 0.95 | 8.82 | 191.51 | 0.91 | 43.23 |
| 4.343 | 13.52 | 50.05 | 0.76 | 8.81 | 187.08 | 0.85 | 43.23 |
| 4.362 | 13.52 | 50.05 | 0.69 | 8.8  | 184.11 | 0.89 | 43.23 |
| 4.378 | 13.52 | 50.05 | 0.8  | 8.8  | 185.74 | 0.91 | 43.23 |
| 4.393 | 13.53 | 50.05 | 0.76 | 8.8  | 194.64 | 0.89 | 43.23 |
| 4.414 | 13.53 | 50.05 | 0.76 | 8.81 | 202.46 | 0.93 | 43.23 |
| 4.441 | 13.53 | 50.05 | 0.72 | 8.82 | 211.23 | 0.92 | 43.22 |
| 4.467 | 13.53 | 50.05 | 0.76 | 8.83 | 208.99 | 0.91 | 43.22 |
| 4.485 | 13.52 | 50.05 | 0.84 | 8.83 | 204.16 | 0.91 | 43.23 |
| 4.496 | 13.53 | 50.05 | 0.61 | 8.85 | 200.36 | 0.95 | 43.23 |
| 4.506 | 13.53 | 50.05 | 0.84 | 8.86 | 206.25 | 0.92 | 43.23 |
| 4.53  | 13.53 | 50.05 | 0.76 | 8.86 | 225.76 | 0.95 | 43.23 |
| 4.565 | 13.53 | 50.04 | 1.14 | 8.87 | 232.29 | 0.94 | 43.21 |
| 4.594 | 13.52 | 50.04 | 0.92 | 8.87 | 245.58 | 0.93 | 43.22 |
| 4.616 | 13.52 | 50.04 | 0.92 | 8.86 | 268.87 | 0.94 | 43.23 |
| 4.66  | 13.52 | 50.04 | 0.8  | 8.85 | 282.81 | 1.03 | 43.22 |
| 4.706 | 13.52 | 50.05 | 0.72 | 8.83 | 354.84 | 1.04 | 43.23 |
| 4.727 | 13.53 | 50.05 | 0.88 | 8.78 | 260.17 | 1.0  | 43.22 |
| 4.737 | 13.53 | 50.05 | 0.84 | 8.88 | 265.9  | 0.94 | 43.22 |
| 4.756 | 13.53 | 50.05 | 0.72 | 8.9  | 276.97 | 0.96 | 43.22 |
| 4.777 | 13.53 | 50.05 | 0.8  | 8.91 | 258.07 | 0.99 | 43.22 |
| 4.785 | 13.53 | 50.05 | 0.76 | 8.92 | 217.14 | 0.96 | 43.23 |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m³) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| <b>MÍNIMO</b>        | 14.34      | 51.17               | 0.0            | 8.97           | 837.1                       | 0.47              | 43.37           |
| <b>PROF (metros)</b> | 0.985      | 0.954               | 0.763          | 0.728          | 1.312                       | 0.763             | 0.954           |
| <b>MÁXIMO</b>        | 14.41      | 14.41               | 15.0           | 9.16           | 2043.7                      | 0.61              | 43.44           |
| <b>PROF (metros)</b> | 1.324      | 1.323               | 0.914          | 1.046          | 1.223                       | 1.322             | 1.322           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

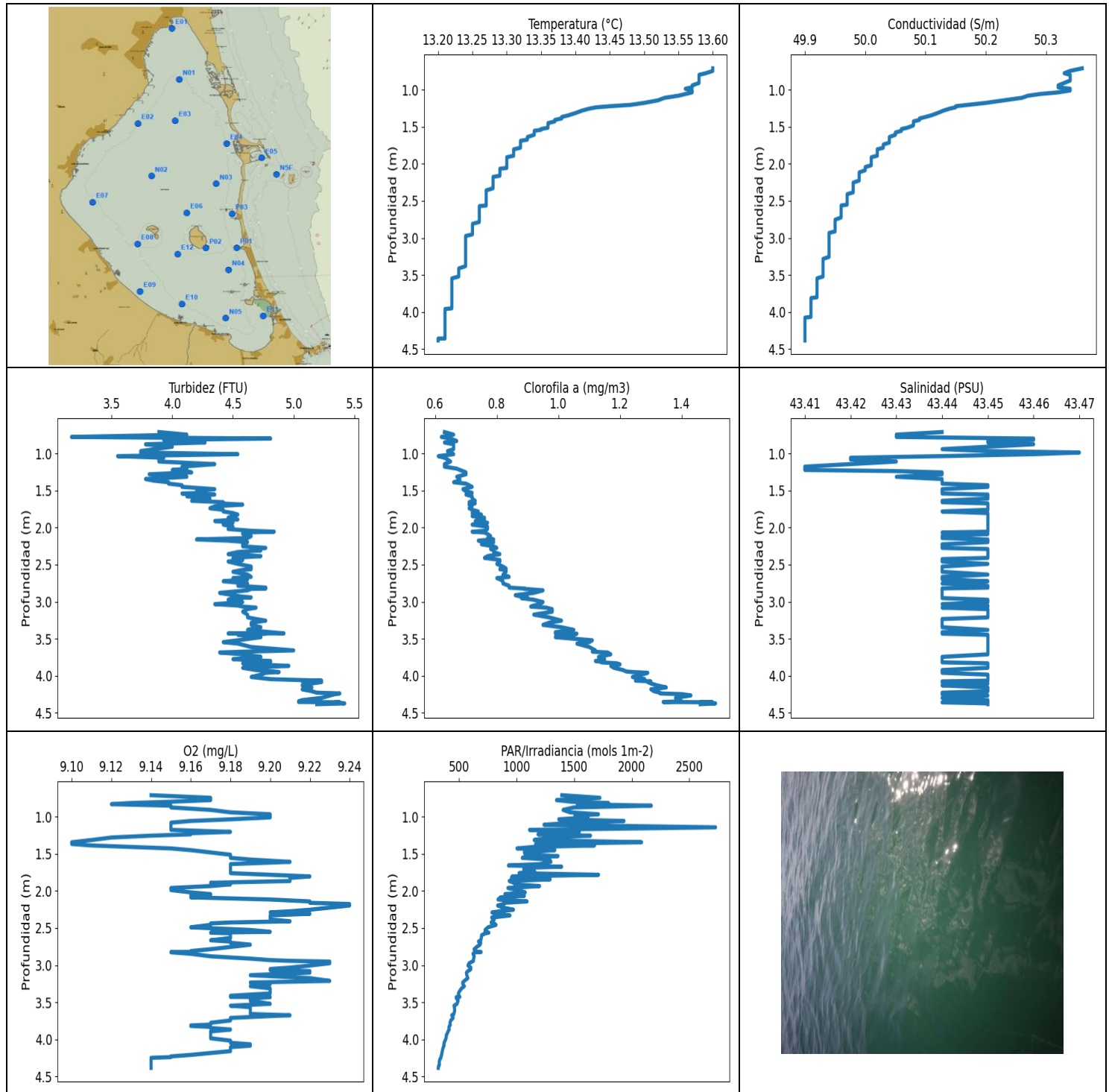
| CTD E09 - Punto 020 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 14.36      | 51.2                | 5.8            | 9.01           | 1324.52                     | 0.51              | 43.39           |
| 1 - 2m              | 14.36      | 51.22               | 8.01           | 9.13           | 1067.44                     | 0.55              | 43.42           |

**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) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.728           | 14.36      | 51.19               | 2.02           | 8.97           | 1637.9                      | 0.5               | 43.39           |
| 0.763           | 14.36      | 51.2                | 0.0            | 8.98           | 1193.7                      | 0.47              | 43.39           |
| 0.802           | 14.36      | 51.2                | 9.19           | 8.99           | 1051.3                      | 0.47              | 43.4            |
| 0.829           | 14.36      | 51.21               | 0.0            | 9.0            | 1324.3                      | 0.5               | 43.4            |
| 0.838           | 14.36      | 51.2                | 0.04           | 9.0            | 1177.7                      | 0.53              | 43.4            |
| 0.847           | 14.36      | 51.21               | 1.07           | 9.01           | 1189.3                      | 0.51              | 43.4            |
| 0.873           | 14.36      | 51.2                | 1.18           | 9.04           | 1133.0                      | 0.52              | 43.4            |
| 0.914           | 14.36      | 51.18               | 15.0           | 9.07           | 1757.9                      | 0.54              | 43.38           |
| 0.954           | 14.35      | 51.17               | 0.0            | 9.09           | 1069.7                      | 0.55              | 43.37           |
| 0.985           | 14.34      | 51.17               | 0.0            | 9.12           | 1283.8                      | 0.54              | 43.39           |
| 1.026           | 14.34      | 51.18               | 10.07          | 9.15           | 1516.2                      | 0.54              | 43.4            |
| 1.046           | 14.34      | 51.18               | 0.0            | 9.16           | 1187.9                      | 0.51              | 43.4            |
| 1.094           | 14.34      | 51.18               | 1.95           | 9.15           | 1285.6                      | 0.53              | 43.39           |
| 1.12            | 14.34      | 51.18               | 0.38           | 9.15           | 1128.3                      | 0.54              | 43.39           |
| 1.144           | 14.34      | 51.17               | 9.99           | 9.15           | 895.71                      | 0.51              | 43.39           |
| 1.169           | 14.34      | 51.17               | 0.0            | 9.15           | 1484.2                      | 0.55              | 43.39           |
| 1.196           | 14.34      | 51.18               | 0.0            | 9.15           | 968.71                      | 0.53              | 43.4            |
| 1.223           | 14.34      | 51.19               | 0.0            | 9.13           | 2043.7                      | 0.56              | 43.41           |
| 1.249           | 14.34      | 51.2                | 1.98           | 9.12           | 955.99                      | 0.54              | 43.41           |
| 1.271           | 14.35      | 51.22               | 0.0            | 9.11           | 1229.0                      | 0.56              | 43.43           |
| 1.294           | 14.36      | 51.24               | 15.0           | 9.09           | 1234.5                      | 0.56              | 43.43           |
| 1.312           | 14.37      | 51.25               | 1.18           | 9.09           | 837.1                       | 0.56              | 43.43           |
| 1.319           | 14.38      | 51.26               | 13.73          | 9.1            | 1030.5                      | 0.54              | 43.43           |
| 1.322           | 14.39      | 51.28               | 13.85          | 9.11           | 927.4                       | 0.61              | 43.44           |
| 1.323           | 14.4       | 51.29               | 9.38           | 9.13           | 863.1                       | 0.56              | 43.43           |
| 1.324           | 14.41      | 51.28               | 0.0            | 9.14           | 1133.5                      | 0.54              | 43.41           |



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

|                      | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/l) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m <sup>3</sup> ) | Salinidad (PSU) |
|----------------------|------------|---------------------|----------------|----------------|-----------------------------|--------------------------------|-----------------|
| <b>MÍNIMO</b>        | 13.2       | 49.9                | 3.17           | 9.1            | 318.96                      | 0.61                           | 43.41           |
| <b>PROF (metros)</b> | 4.359      | 4.076               | 0.776          | 1.344          | 4.384                       | 1.035                          | 1.177           |
| <b>MÁXIMO</b>        | 13.6       | 50.3                | 5.42           | 9.24           | 2728.6                      | 1.51                           | 43.47           |
| <b>PROF (metros)</b> | 0.71       | 0.71                | 4.373          | 2.176          | 1.143                       | 4.373                          | 0.986           |

**DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA**

| CTD E08 - Punto 021 | Temp. (°C) | Conductividad (S/m) | Turbidez (FTU) | Oxígeno (mg/L) | PAR/Irradiancia (mols-1m-2) | Clorofila (mg/m3) | Salinidad (PSU) |
|---------------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0 - 1m              | 13.58      | 50.34               | 3.95           | 9.16           | 1584.82                     | 0.65              | 43.45           |
| 1 - 2m              | 13.38      | 50.1                | 4.22           | 9.17           | 1278.54                     | 0.7               | 43.44           |
| 2 - 3m              | 13.27      | 49.97               | 4.58           | 9.19           | 771.23                      | 0.82              | 43.44           |
| 3 - 4m              | 13.23      | 49.93               | 4.66           | 9.19           | 479.35                      | 1.07              | 43.45           |
| 4 - 5m              | 13.21      | 49.9                | 5.16           | 9.16           | 344.53                      | 1.36              | 43.45           |

**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) |
|-----------------|------------|---------------------|----------------|----------------|-----------------------------|-------------------|-----------------|
| 0.71            | 13.6       | 50.36               | 3.89           | 9.14           | 1392.3                      | 0.63              | 43.44           |
| 0.745           | 13.6       | 50.34               | 4.12           | 9.17           | 1724.0                      | 0.66              | 43.43           |
| 0.776           | 13.59      | 50.33               | 3.17           | 9.17           | 1346.6                      | 0.62              | 43.43           |
| 0.798           | 13.58      | 50.34               | 4.81           | 9.15           | 1477.7                      | 0.65              | 43.46           |
| 0.815           | 13.58      | 50.34               | 3.93           | 9.13           | 1798.3                      | 0.66              | 43.46           |
| 0.831           | 13.58      | 50.34               | 4.08           | 9.12           | 1526.5                      | 0.67              | 43.45           |
| 0.851           | 13.58      | 50.34               | 4.27           | 9.15           | 2170.6                      | 0.63              | 43.45           |
| 0.875           | 13.58      | 50.34               | 3.78           | 9.15           | 1495.3                      | 0.66              | 43.46           |
| 0.908           | 13.58      | 50.33               | 4.0            | 9.17           | 1403.9                      | 0.66              | 43.45           |
| 0.941           | 13.57      | 50.32               | 3.85           | 9.18           | 1464.8                      | 0.66              | 43.44           |
| 0.967           | 13.57      | 50.32               | 3.74           | 9.2            | 1710.8                      | 0.64              | 43.45           |
| 0.986           | 13.56      | 50.34               | 3.74           | 9.2            | 1507.1                      | 0.65              | 43.47           |
| 1.009           | 13.57      | 50.34               | 4.54           | 9.2            | 1620.5                      | 0.66              | 43.46           |
| 1.035           | 13.57      | 50.32               | 3.55           | 9.18           | 1366.1                      | 0.61              | 43.44           |
| 1.057           | 13.56      | 50.29               | 3.93           | 9.16           | 1933.1                      | 0.63              | 43.42           |
| 1.08            | 13.55      | 50.27               | 3.89           | 9.15           | 1503.6                      | 0.64              | 43.42           |
| 1.108           | 13.53      | 50.26               | 3.89           | 9.15           | 1237.6                      | 0.65              | 43.43           |
| 1.143           | 13.52      | 50.23               | 4.35           | 9.15           | 2728.6                      | 0.63              | 43.42           |
| 1.177           | 13.5       | 50.2                | 4.08           | 9.15           | 1111.9                      | 0.63              | 43.41           |
| 1.204           | 13.48      | 50.17               | 4.12           | 9.18           | 1543.9                      | 0.67              | 43.41           |
| 1.222           | 13.45      | 50.15               | 4.0            | 9.16           | 1257.0                      | 0.68              | 43.41           |
| 1.237           | 13.43      | 50.15               | 4.12           | 9.16           | 1185.4                      | 0.69              | 43.43           |
| 1.255           | 13.42      | 50.14               | 4.16           | 9.14           | 1642.1                      | 0.7               | 43.44           |
| 1.28            | 13.41      | 50.13               | 3.81           | 9.12           | 1291.5                      | 0.7               | 43.44           |
| 1.314           | 13.4       | 50.12               | 4.12           | 9.11           | 1152.6                      | 0.67              | 43.43           |
| 1.344           | 13.39      | 50.11               | 3.78           | 9.1            | 2085.8                      | 0.68              | 43.44           |
| 1.367           | 13.38      | 50.1                | 3.85           | 9.1            | 1165.2                      | 0.68              | 43.44           |
| 1.387           | 13.38      | 50.09               | 3.97           | 9.11           | 1676.7                      | 0.66              | 43.44           |
| 1.407           | 13.37      | 50.09               | 3.97           | 9.13           | 1147.8                      | 0.7               | 43.44           |
| 1.427           | 13.37      | 50.08               | 4.08           | 9.15           | 1003.0                      | 0.71              | 43.45           |
| 1.45            | 13.36      | 50.08               | 4.08           | 9.16           | 1331.7                      | 0.72              | 43.45           |
| 1.481           | 13.36      | 50.08               | 4.35           | 9.17           | 1067.0                      | 0.69              | 43.44           |
| 1.512           | 13.36      | 50.07               | 4.2            | 9.18           | 1076.2                      | 0.7               | 43.44           |
| 1.53            | 13.35      | 50.06               | 4.27           | 9.18           | 1359.4                      | 0.72              | 43.44           |
| 1.54            | 13.35      | 50.06               | 4.08           | 9.18           | 1078.7                      | 0.71              | 43.44           |
| 1.554           | 13.34      | 50.06               | 4.35           | 9.18           | 1049.3                      | 0.7               | 43.45           |
| 1.577           | 13.34      | 50.05               | 4.12           | 9.19           | 1287.1                      | 0.72              | 43.45           |



|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 1.608 | 13.34 | 50.05 | 4.31 | 9.21 | 1297.8 | 0.72 | 43.45 |
| 1.638 | 13.33 | 50.04 | 4.16 | 9.18 | 1202.6 | 0.73 | 43.44 |
| 1.657 | 13.33 | 50.04 | 4.42 | 9.18 | 928.69 | 0.71 | 43.44 |
| 1.673 | 13.33 | 50.04 | 4.39 | 9.18 | 1391.0 | 0.73 | 43.45 |
| 1.689 | 13.32 | 50.04 | 4.58 | 9.18 | 1062.6 | 0.71 | 43.45 |
| 1.713 | 13.32 | 50.04 | 4.35 | 9.18 | 1062.6 | 0.72 | 43.45 |
| 1.739 | 13.32 | 50.03 | 4.31 | 9.18 | 1157.7 | 0.71 | 43.45 |
| 1.76  | 13.32 | 50.03 | 4.42 | 9.18 | 1021.3 | 0.72 | 43.45 |
| 1.782 | 13.32 | 50.03 | 4.42 | 9.2  | 1711.6 | 0.74 | 43.44 |
| 1.804 | 13.31 | 50.02 | 4.5  | 9.22 | 960.88 | 0.72 | 43.45 |
| 1.824 | 13.31 | 50.02 | 4.54 | 9.21 | 954.66 | 0.75 | 43.45 |
| 1.844 | 13.31 | 50.02 | 4.5  | 9.21 | 1291.2 | 0.72 | 43.45 |
| 1.866 | 13.31 | 50.02 | 4.46 | 9.21 | 935.39 | 0.76 | 43.45 |
| 1.89  | 13.31 | 50.02 | 4.54 | 9.17 | 977.27 | 0.76 | 43.45 |
| 1.911 | 13.3  | 50.01 | 4.35 | 9.18 | 985.23 | 0.73 | 43.45 |
| 1.934 | 13.3  | 50.01 | 4.5  | 9.17 | 1199.5 | 0.77 | 43.45 |
| 1.96  | 13.3  | 50.01 | 4.42 | 9.15 | 924.18 | 0.72 | 43.45 |
| 1.988 | 13.3  | 50.01 | 4.5  | 9.15 | 1011.4 | 0.77 | 43.45 |
| 2.019 | 13.3  | 50.01 | 4.46 | 9.16 | 1075.2 | 0.77 | 43.45 |
| 2.043 | 13.3  | 50.0  | 4.65 | 9.17 | 898.0  | 0.76 | 43.45 |
| 2.055 | 13.3  | 50.0  | 4.84 | 9.16 | 947.61 | 0.72 | 43.45 |
| 2.066 | 13.29 | 50.0  | 4.58 | 9.17 | 1067.0 | 0.76 | 43.44 |
| 2.086 | 13.29 | 50.0  | 4.58 | 9.16 | 859.91 | 0.77 | 43.45 |
| 2.115 | 13.29 | 49.99 | 4.65 | 9.2  | 838.65 | 0.78 | 43.44 |
| 2.141 | 13.29 | 49.99 | 4.62 | 9.22 | 1090.3 | 0.77 | 43.44 |
| 2.16  | 13.29 | 49.99 | 4.2  | 9.22 | 888.89 | 0.79 | 43.45 |
| 2.176 | 13.28 | 49.99 | 4.46 | 9.24 | 891.57 | 0.74 | 43.45 |
| 2.196 | 13.28 | 49.99 | 4.62 | 9.24 | 834.97 | 0.79 | 43.45 |
| 2.225 | 13.28 | 49.99 | 4.58 | 9.23 | 884.78 | 0.75 | 43.44 |
| 2.253 | 13.28 | 49.98 | 4.58 | 9.22 | 972.3  | 0.79 | 43.44 |
| 2.274 | 13.28 | 49.98 | 4.77 | 9.21 | 855.54 | 0.8  | 43.44 |
| 2.289 | 13.28 | 49.98 | 4.65 | 9.2  | 785.77 | 0.78 | 43.45 |
| 2.307 | 13.28 | 49.98 | 4.73 | 9.22 | 807.0  | 0.79 | 43.45 |
| 2.33  | 13.28 | 49.98 | 4.54 | 9.2  | 942.13 | 0.79 | 43.45 |
| 2.358 | 13.27 | 49.98 | 4.46 | 9.2  | 783.41 | 0.81 | 43.45 |
| 2.385 | 13.27 | 49.98 | 4.73 | 9.2  | 805.13 | 0.77 | 43.45 |
| 2.409 | 13.27 | 49.97 | 4.5  | 9.21 | 787.78 | 0.76 | 43.45 |
| 2.425 | 13.27 | 49.97 | 4.5  | 9.18 | 778.7  | 0.79 | 43.44 |
| 2.437 | 13.27 | 49.97 | 4.58 | 9.17 | 806.25 | 0.81 | 43.44 |
| 2.457 | 13.27 | 49.97 | 4.46 | 9.17 | 820.96 | 0.81 | 43.44 |
| 2.49  | 13.27 | 49.97 | 4.54 | 9.16 | 751.4  | 0.8  | 43.45 |
| 2.526 | 13.27 | 49.97 | 4.65 | 9.19 | 725.89 | 0.82 | 43.44 |
| 2.551 | 13.27 | 49.97 | 4.65 | 9.2  | 725.89 | 0.83 | 43.44 |
| 2.562 | 13.27 | 49.96 | 4.65 | 9.17 | 758.75 | 0.81 | 43.44 |
| 2.571 | 13.26 | 49.96 | 4.58 | 9.18 | 728.42 | 0.83 | 43.44 |
| 2.596 | 13.26 | 49.96 | 4.5  | 9.18 | 695.42 | 0.83 | 43.44 |
| 2.634 | 13.26 | 49.96 | 4.62 | 9.18 | 692.69 | 0.82 | 43.45 |
| 2.665 | 13.26 | 49.96 | 4.65 | 9.17 | 688.37 | 0.84 | 43.44 |
| 2.682 | 13.26 | 49.96 | 4.5  | 9.18 | 668.4  | 0.8  | 43.44 |
| 2.698 | 13.26 | 49.96 | 4.62 | 9.18 | 688.53 | 0.81 | 43.44 |
| 2.724 | 13.26 | 49.96 | 4.42 | 9.19 | 682.33 | 0.82 | 43.45 |
| 2.754 | 13.26 | 49.95 | 4.62 | 9.18 | 653.39 | 0.82 | 43.44 |
| 2.785 | 13.26 | 49.95 | 4.54 | 9.17 | 630.63 | 0.84 | 43.45 |
| 2.81  | 13.25 | 49.95 | 4.77 | 9.16 | 635.17 | 0.84 | 43.45 |
| 2.821 | 13.25 | 49.95 | 4.65 | 9.16 | 667.32 | 0.88 | 43.44 |
| 2.823 | 13.25 | 49.95 | 4.77 | 9.15 | 691.57 | 0.89 | 43.44 |
| 2.827 | 13.25 | 49.95 | 4.65 | 9.15 | 640.05 | 0.89 | 43.44 |
| 2.847 | 13.25 | 49.95 | 4.62 | 9.16 | 620.76 | 0.95 | 43.44 |

|       |       |       |      |      |        |      |       |
|-------|-------|-------|------|------|--------|------|-------|
| 2.881 | 13.25 | 49.95 | 4.39 | 9.17 | 631.5  | 0.92 | 43.44 |
| 2.912 | 13.25 | 49.95 | 4.5  | 9.19 | 626.55 | 0.86 | 43.44 |
| 2.932 | 13.25 | 49.94 | 4.58 | 9.2  | 624.81 | 0.88 | 43.44 |
| 2.942 | 13.25 | 49.94 | 4.65 | 9.21 | 625.1  | 0.9  | 43.44 |
| 2.952 | 13.25 | 49.94 | 4.5  | 9.23 | 614.32 | 0.88 | 43.44 |
| 2.974 | 13.24 | 49.94 | 4.46 | 9.23 | 587.31 | 0.92 | 43.45 |
| 3.005 | 13.24 | 49.94 | 4.58 | 9.22 | 577.06 | 0.95 | 43.45 |
| 3.033 | 13.24 | 49.94 | 4.35 | 9.21 | 601.78 | 0.94 | 43.44 |
| 3.052 | 13.24 | 49.94 | 4.54 | 9.2  | 602.06 | 0.92 | 43.45 |
| 3.066 | 13.24 | 49.94 | 4.58 | 9.2  | 593.75 | 0.91 | 43.45 |
| 3.08  | 13.24 | 49.94 | 4.69 | 9.22 | 576.12 | 0.96 | 43.44 |
| 3.101 | 13.24 | 49.94 | 4.62 | 9.22 | 563.31 | 0.98 | 43.45 |
| 3.135 | 13.24 | 49.94 | 4.58 | 9.19 | 567.11 | 0.98 | 43.45 |
| 3.175 | 13.24 | 49.94 | 4.62 | 9.22 | 575.86 | 0.92 | 43.45 |
| 3.212 | 13.24 | 49.94 | 4.62 | 9.23 | 545.83 | 0.97 | 43.45 |
| 3.234 | 13.24 | 49.94 | 4.69 | 9.19 | 531.35 | 0.99 | 43.44 |
| 3.256 | 13.24 | 49.94 | 4.77 | 9.2  | 532.46 | 1.01 | 43.44 |
| 3.283 | 13.24 | 49.93 | 4.65 | 9.19 | 545.83 | 0.97 | 43.44 |
| 3.313 | 13.24 | 49.93 | 4.65 | 9.2  | 521.71 | 0.95 | 43.44 |
| 3.345 | 13.24 | 49.93 | 4.73 | 9.2  | 506.46 | 1.01 | 43.44 |
| 3.381 | 13.24 | 49.93 | 4.62 | 9.2  | 493.71 | 1.05 | 43.45 |
| 3.412 | 13.23 | 49.93 | 4.81 | 9.18 | 498.89 | 0.99 | 43.44 |
| 3.428 | 13.23 | 49.93 | 4.92 | 9.18 | 506.82 | 0.99 | 43.44 |
| 3.429 | 13.23 | 49.93 | 4.46 | 9.2  | 484.31 | 1.01 | 43.44 |
| 3.432 | 13.23 | 49.93 | 4.77 | 9.2  | 474.31 | 1.06 | 43.44 |
| 3.447 | 13.23 | 49.93 | 4.54 | 9.19 | 476.84 | 1.05 | 43.45 |
| 3.479 | 13.23 | 49.93 | 4.73 | 9.19 | 491.77 | 0.99 | 43.45 |
| 3.521 | 13.23 | 49.93 | 4.54 | 9.2  | 482.07 | 1.11 | 43.45 |
| 3.546 | 13.22 | 49.92 | 4.42 | 9.18 | 455.88 | 1.1  | 43.45 |
| 3.566 | 13.22 | 49.92 | 4.54 | 9.19 | 459.49 | 1.06 | 43.45 |
| 3.612 | 13.22 | 49.92 | 4.65 | 9.19 | 461.62 | 1.1  | 43.45 |
| 3.658 | 13.22 | 49.92 | 5.0  | 9.19 | 454.61 | 1.12 | 43.45 |
| 3.675 | 13.22 | 49.92 | 4.58 | 9.21 | 436.04 | 1.11 | 43.45 |
| 3.686 | 13.22 | 49.92 | 4.39 | 9.2  | 445.12 | 1.16 | 43.45 |
| 3.711 | 13.22 | 49.92 | 4.58 | 9.18 | 448.23 | 1.17 | 43.45 |
| 3.745 | 13.22 | 49.92 | 4.73 | 9.18 | 427.63 | 1.13 | 43.44 |
| 3.776 | 13.22 | 49.92 | 4.5  | 9.17 | 421.04 | 1.15 | 43.44 |
| 3.801 | 13.22 | 49.92 | 4.81 | 9.17 | 423.58 | 1.12 | 43.44 |
| 3.812 | 13.22 | 49.91 | 4.81 | 9.16 | 420.45 | 1.14 | 43.44 |
| 3.819 | 13.22 | 49.91 | 4.65 | 9.16 | 416.77 | 1.14 | 43.44 |
| 3.832 | 13.22 | 49.91 | 4.58 | 9.17 | 412.35 | 1.19 | 43.45 |
| 3.847 | 13.22 | 49.91 | 4.69 | 9.17 | 411.87 | 1.2  | 43.45 |
| 3.867 | 13.22 | 49.91 | 4.96 | 9.18 | 414.36 | 1.17 | 43.45 |
| 3.893 | 13.22 | 49.91 | 4.58 | 9.17 | 403.93 | 1.18 | 43.45 |
| 3.923 | 13.22 | 49.91 | 4.69 | 9.17 | 395.96 | 1.21 | 43.44 |
| 3.942 | 13.22 | 49.91 | 4.84 | 9.17 | 389.77 | 1.22 | 43.44 |
| 3.95  | 13.22 | 49.91 | 4.88 | 9.17 | 388.14 | 1.24 | 43.44 |
| 3.96  | 13.21 | 49.91 | 4.77 | 9.17 | 388.95 | 1.29 | 43.44 |
| 3.985 | 13.21 | 49.91 | 4.73 | 9.17 | 386.71 | 1.27 | 43.45 |
| 4.017 | 13.21 | 49.91 | 4.65 | 9.18 | 378.2  | 1.24 | 43.45 |
| 4.046 | 13.21 | 49.91 | 4.81 | 9.18 | 369.96 | 1.28 | 43.45 |
| 4.066 | 13.21 | 49.91 | 5.23 | 9.19 | 367.91 | 1.25 | 43.45 |
| 4.076 | 13.21 | 49.9  | 5.07 | 9.19 | 370.05 | 1.3  | 43.44 |
| 4.085 | 13.21 | 49.9  | 5.23 | 9.19 | 368.68 | 1.29 | 43.44 |
| 4.104 | 13.21 | 49.9  | 5.15 | 9.18 | 363.16 | 1.3  | 43.45 |
| 4.13  | 13.21 | 49.9  | 5.07 | 9.18 | 357.82 | 1.32 | 43.44 |
| 4.158 | 13.21 | 49.9  | 5.15 | 9.18 | 354.02 | 1.35 | 43.45 |
| 4.183 | 13.21 | 49.9  | 5.07 | 9.17 | 350.59 | 1.3  | 43.45 |

|       |       |      |      |      |        |      |       |
|-------|-------|------|------|------|--------|------|-------|
| 4.209 | 13.21 | 49.9 | 5.15 | 9.16 | 347.6  | 1.31 | 43.45 |
| 4.229 | 13.21 | 49.9 | 5.19 | 9.15 | 343.59 | 1.33 | 43.44 |
| 4.239 | 13.21 | 49.9 | 5.38 | 9.15 | 342.48 | 1.33 | 43.44 |
| 4.248 | 13.21 | 49.9 | 5.34 | 9.14 | 342.08 | 1.4  | 43.44 |
| 4.266 | 13.21 | 49.9 | 5.3  | 9.14 | 333.32 | 1.43 | 43.45 |
| 4.299 | 13.21 | 49.9 | 5.23 | 9.14 | 327.88 | 1.38 | 43.44 |
| 4.329 | 13.21 | 49.9 | 5.07 | 9.14 | 328.18 | 1.39 | 43.45 |
| 4.345 | 13.21 | 49.9 | 5.04 | 9.14 | 328.49 | 1.4  | 43.45 |
| 4.354 | 13.21 | 49.9 | 5.04 | 9.14 | 323.87 | 1.34 | 43.45 |
| 4.358 | 13.21 | 49.9 | 5.38 | 9.14 | 321.33 | 1.5  | 43.44 |
| 4.359 | 13.2  | 49.9 | 5.34 | 9.14 | 321.78 | 1.46 | 43.44 |
| 4.373 | 13.2  | 49.9 | 5.42 | 9.14 | 319.7  | 1.51 | 43.45 |
| 4.384 | 13.2  | 49.9 | 5.19 | 9.14 | 318.96 | 1.46 | 43.45 |