

RESULTADOS

MEDIDAS DE Sonda OCEÁNICA (CTD-IMIDA)
COORDINADAS POR EL IMIDA EN EL MM



Fecha: Lunes 17/01/2022

El presente informe muestra un resumen inicial de los resultados de los muestreos coordinados por el IMIDA y realizados por el IMIDA en el Mar Menor (MM) en la fecha indicada mediante Sonda multiparamétrica (CTD), que mide un total de 7 variables: temperatura, conductividad, turbidez, pH, oxígeno, salinidad y clorofila.

Cada punto de muestreo puede llegar a proporcionar en torno a 10.000 datos, que son tratados de forma automatizada por los técnicos del IMIDA. Tal cantidad de información requiere, además de su descarga, un complejo proceso de análisis, procesado y de transformación de datos.

Para controlar rápidamente la situación de la laguna con respecto a los niveles de oxígeno y llevar un seguimiento diario de la misma, se ha decidido identificar y alertar únicamente de los valores que representan situaciones de posible anoxia/hipoxia en base a la siguiente clasificación. Se considerarán no preocupantes los valores de oxígeno superiores a 4 miligramos por litro (mg/L):

0-2 mg/L: ANOXIA

2-4 mg/L: HIPOXIA

>4 mg/L: NO PREOCUPANTE

Las tablas siguientes incluyen los datos necesarios para tener una visión global de todo el proceso:

OBSERVACIONES GENERALES

Se realiza **UNA SALIDA** en barco para muestreo por la mañana, en horario de 8:00 a 12:00 horas.
Salida desde el puerto de Lo Pagán, con los técnicos y un patrón del IMIDA.

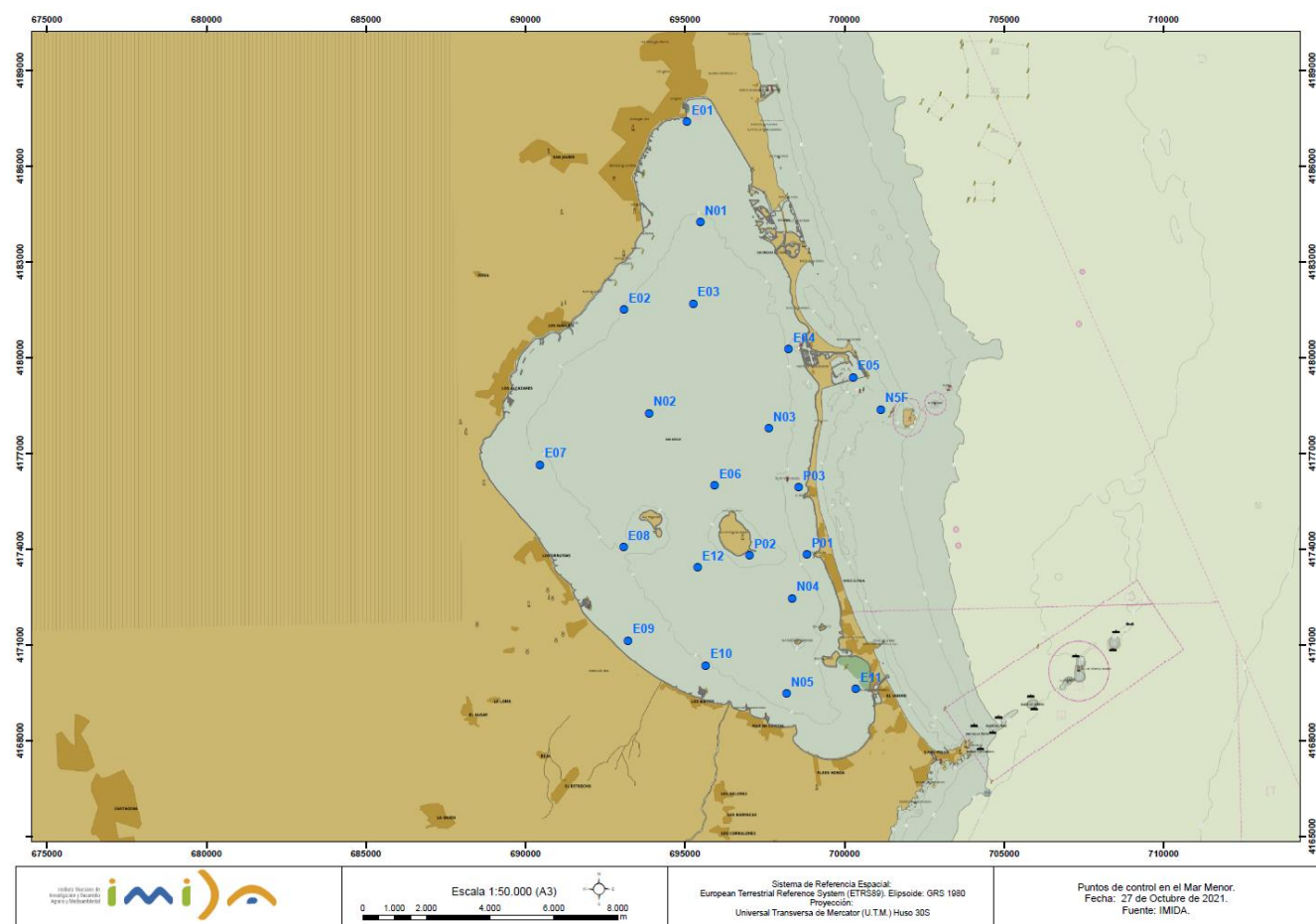
ORDEN	Punto	D. Secchi	Hora	Fondo	Viento (km/h)	Dirección	Sonda
1	E01	2,4	8:15:00	Si	4	Nw	2,4
2	N01	5,5	8:22:00	Si	4	Nw	5,5
3	E03	6,3	8:34:00	No	4	Nw	6,3
4	E02	5,6	8:45:00	Si	4	Nw	5,6
5	N02	6,2	8:52:00	Si	4	Nw	6,2
6	E07	4,0	9:19:00	No	4	Nw	4,7
7	E08	2,7	9:37:00	No	4	Nw	5,1
8	E09	1,7	9:48:00	Si	6	Nw	1,7
9	E10	4,9	9:57:00	No	6	Nw	4,9
10	N05	4,9	10:06:00	No	8	Nw	5,8
11	E11	4,0	10:15:00	Si	8	Nw	4,0
12	N04	4,7	10:29:00	No	8	Nw	5,7
13	P01	1,5	10:37:00	Si	8	Nw	1,5
14	P02	3,1	10:45:00	Si	8	Nw	3,1
15	E12	6,0	10:55:00	No	8	Nw	6,0
16	E06	6,6	11:03:00	No	8	Nw	6,6
17	P03	1,0	11:12:00	Si	8	Nw	1,0
18	N03	6,5	11:20:00	Si	8	Nw	6,5
19	E04	5,4	11:29:00	Si	8	Nw	5,4
20	E05	5,0	11:40:00	Si	8	Nw	5,0
21	N5F	10,0	11:48:00	Si	8	Nw	10,0

UBICACIÓN DE LOS TRABAJOS

Estación de Acuicultura Marina de San Pedro del Pinatar: Coordinación para la organización de las salidas al mar, manejo y mantenimiento de sondas.

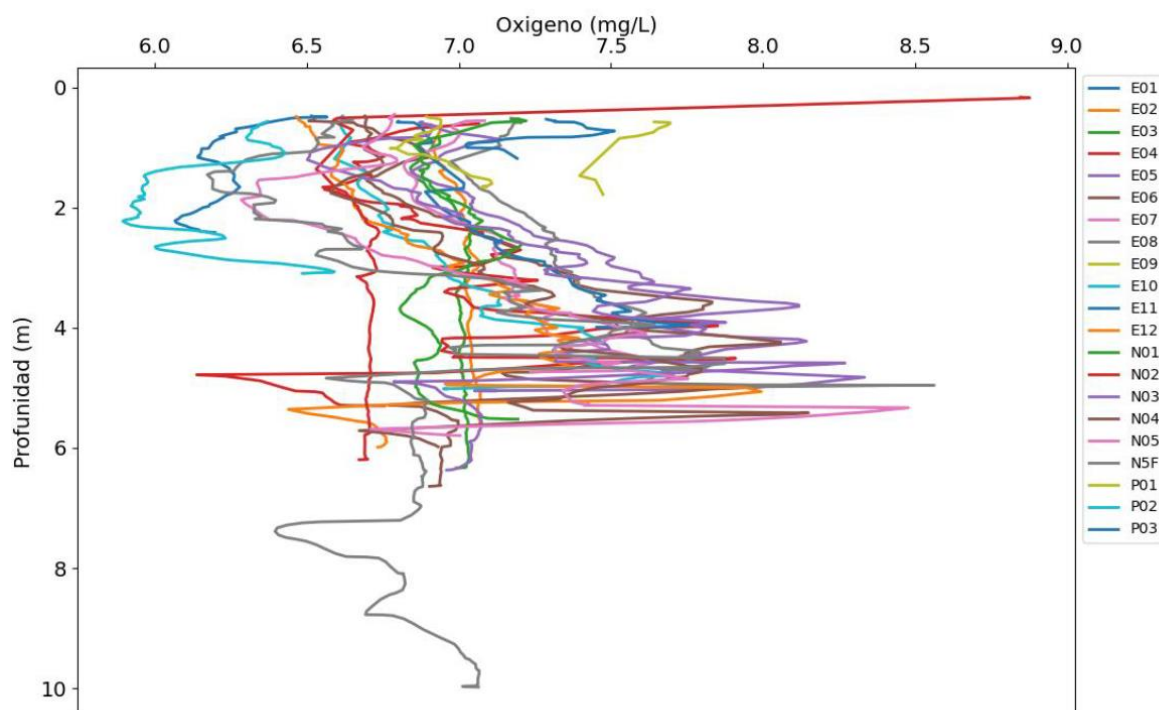
Instalaciones del IMIDA de La Alberca: Diseño y puesta en marcha de la encuesta para la toma de datos, procesamiento, tratamiento, análisis de datos, cartografía y maquetación.

Mar Menor: El IMIDA ha muestreado un total de 21 puntos con el CTD, previamente establecidos por el grupo de monitorización.

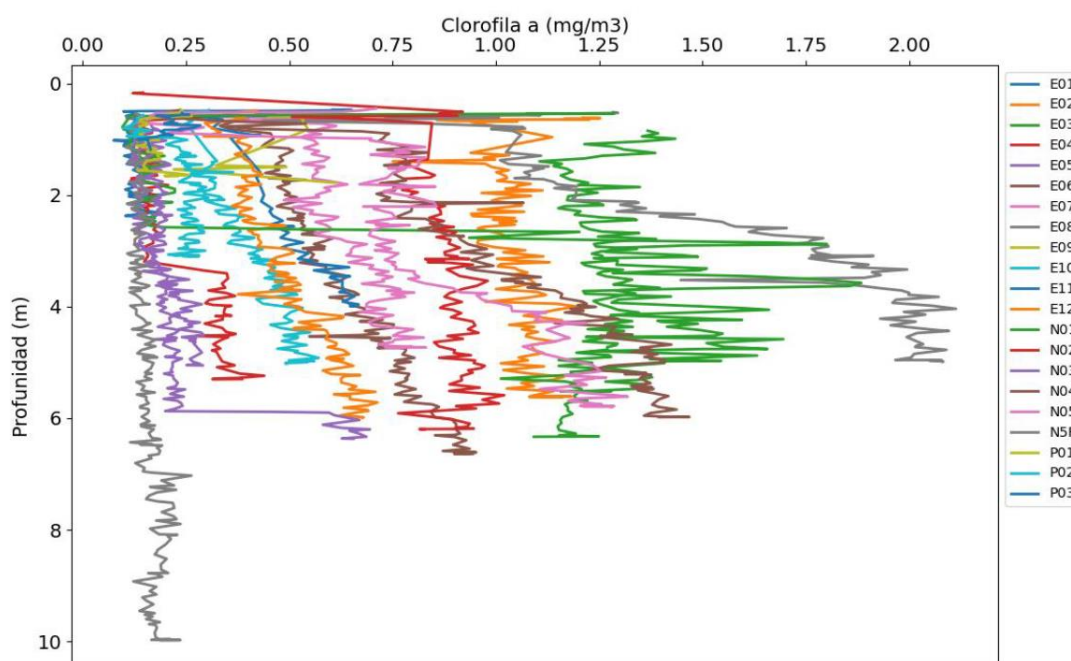


SITUACIÓN GENERAL

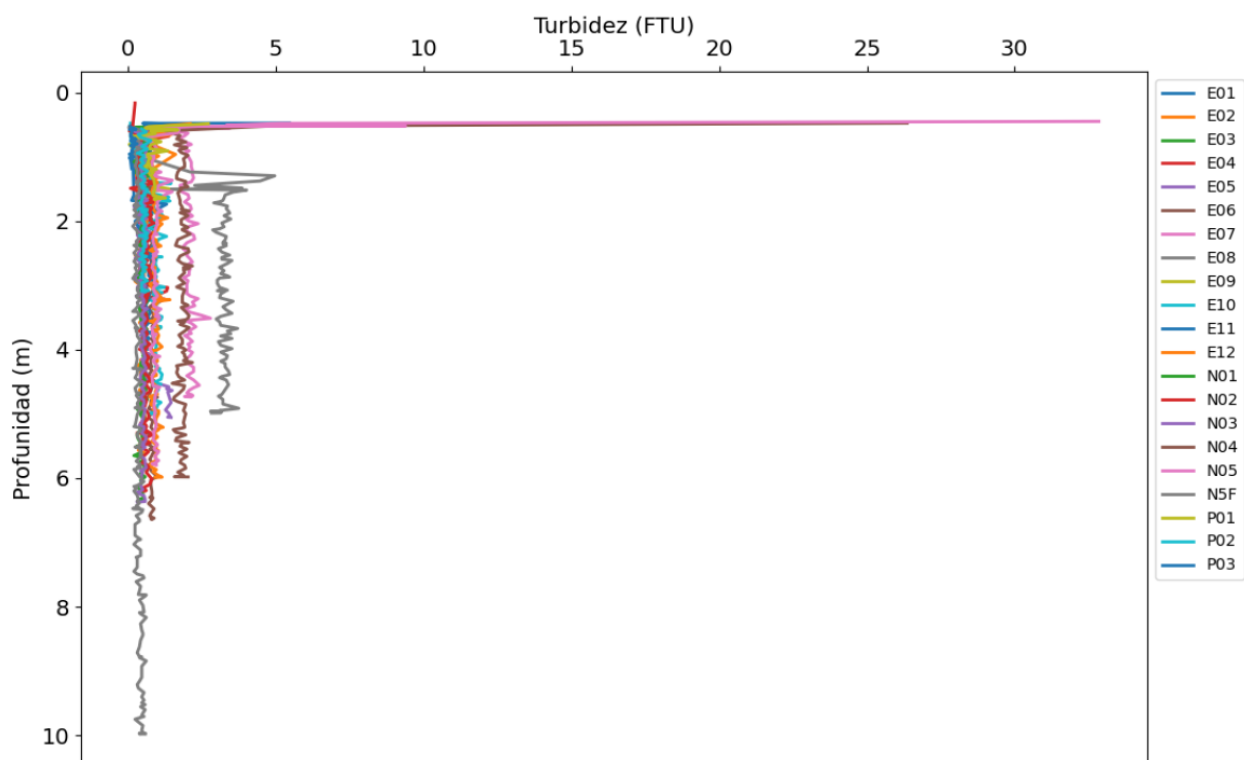
Los niveles medios de oxígeno son normales en todos los puntos ($> 5,5$ mg/L). Los valores medios de clorofila están por debajo 2 mg/m³ y el máximo se da en el punto E08. Los valores medios de turbidez están bajos, pero se han registrado valores un poco altos (5 FTU) en dos estaciones. La transparencia del agua es alta como se puede apreciar en los valores del Disco de Secchi.

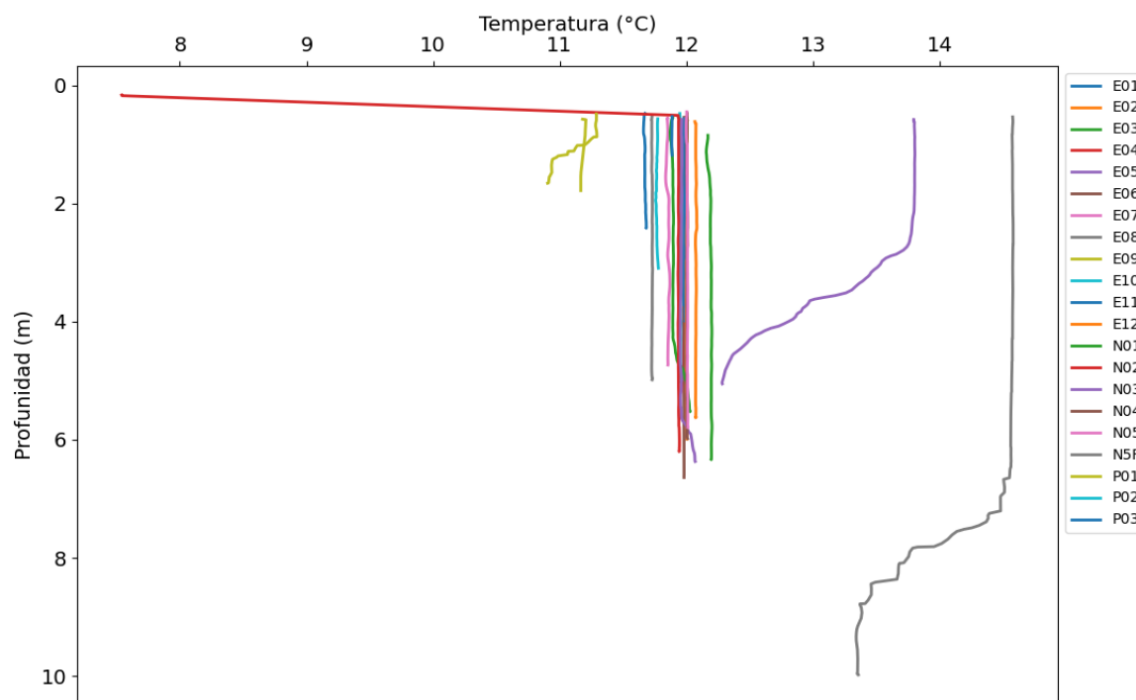


Perfiles de oxígeno (mg/L) por estación

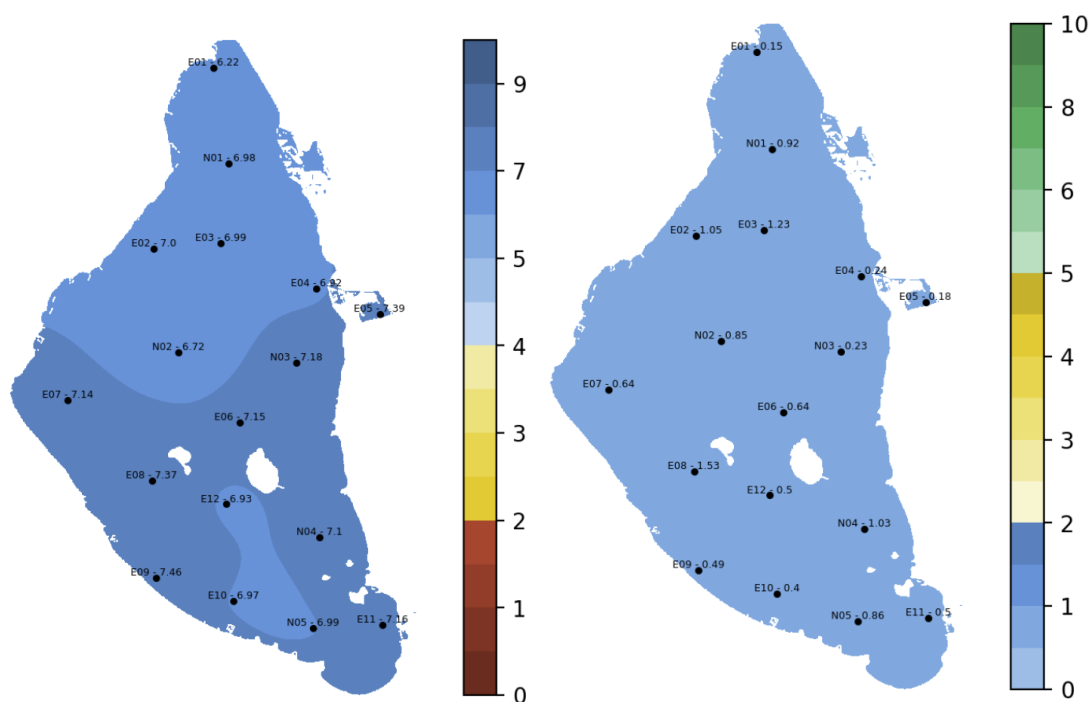


Perfiles de los valores de clorofila (mg/m³)





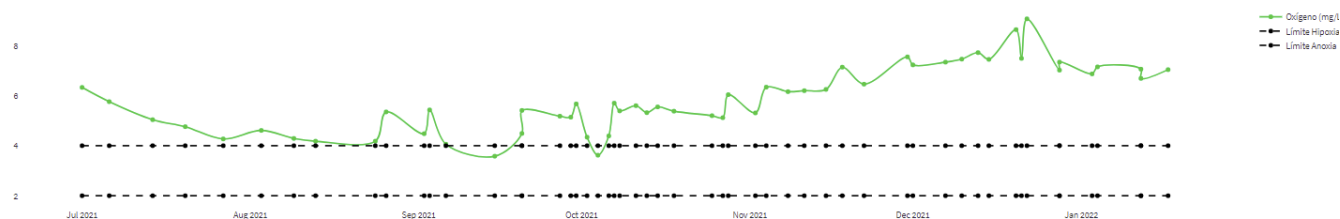
Perfiles de los valores de temperatura (° C)



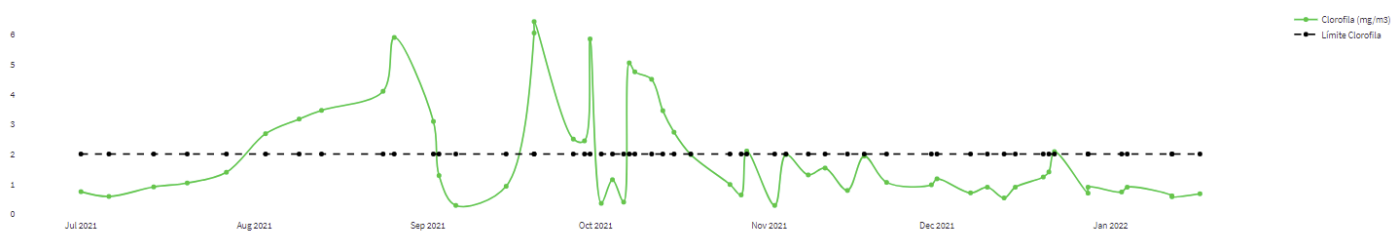
Contenido de oxígeno (mg/L) y clorofila a (mg/m3)

Valores medios (media geométrica por isobata) del Mar Menor el día 12/01/2022:

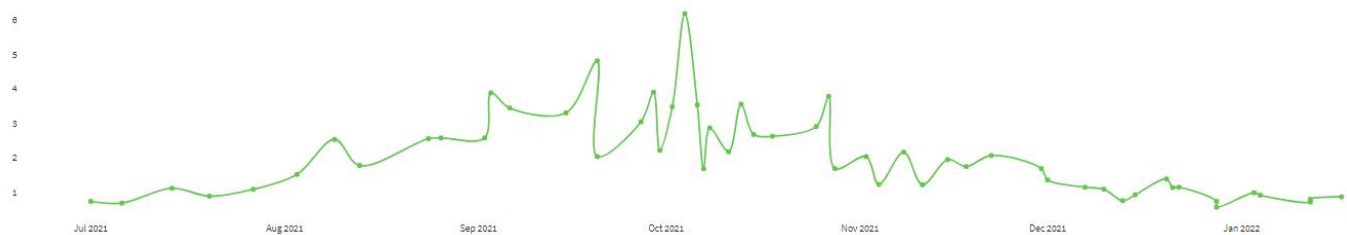
- Clorofila (mg/m3): 0.70
- Turbidez (FTU): 0.91
- Oxígeno (mg/L): 7.04
- Temperatura (° C): 10.03
- Salinidad (PSU): 41.54



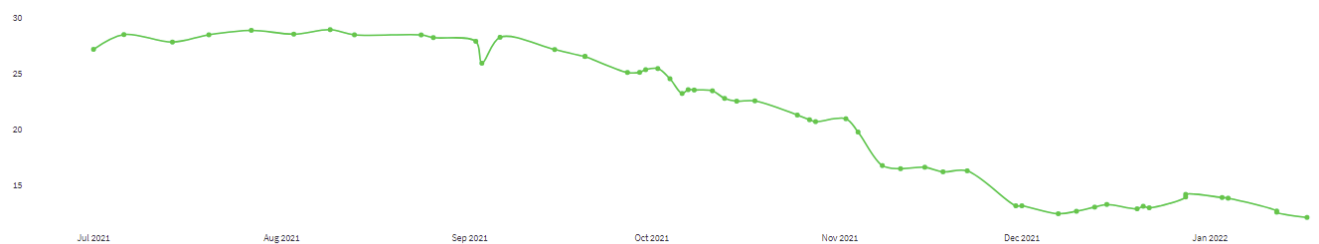
Evolución del contenido medio de oxígeno (mg/L)



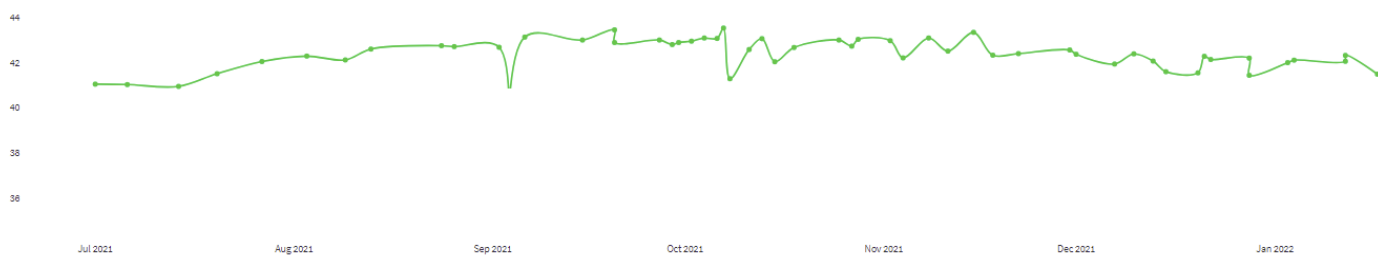
Evolución del contenido medio de la clorofila *a* (mg/m3)



Evolución del contenido medio de la turbidez (FTU)



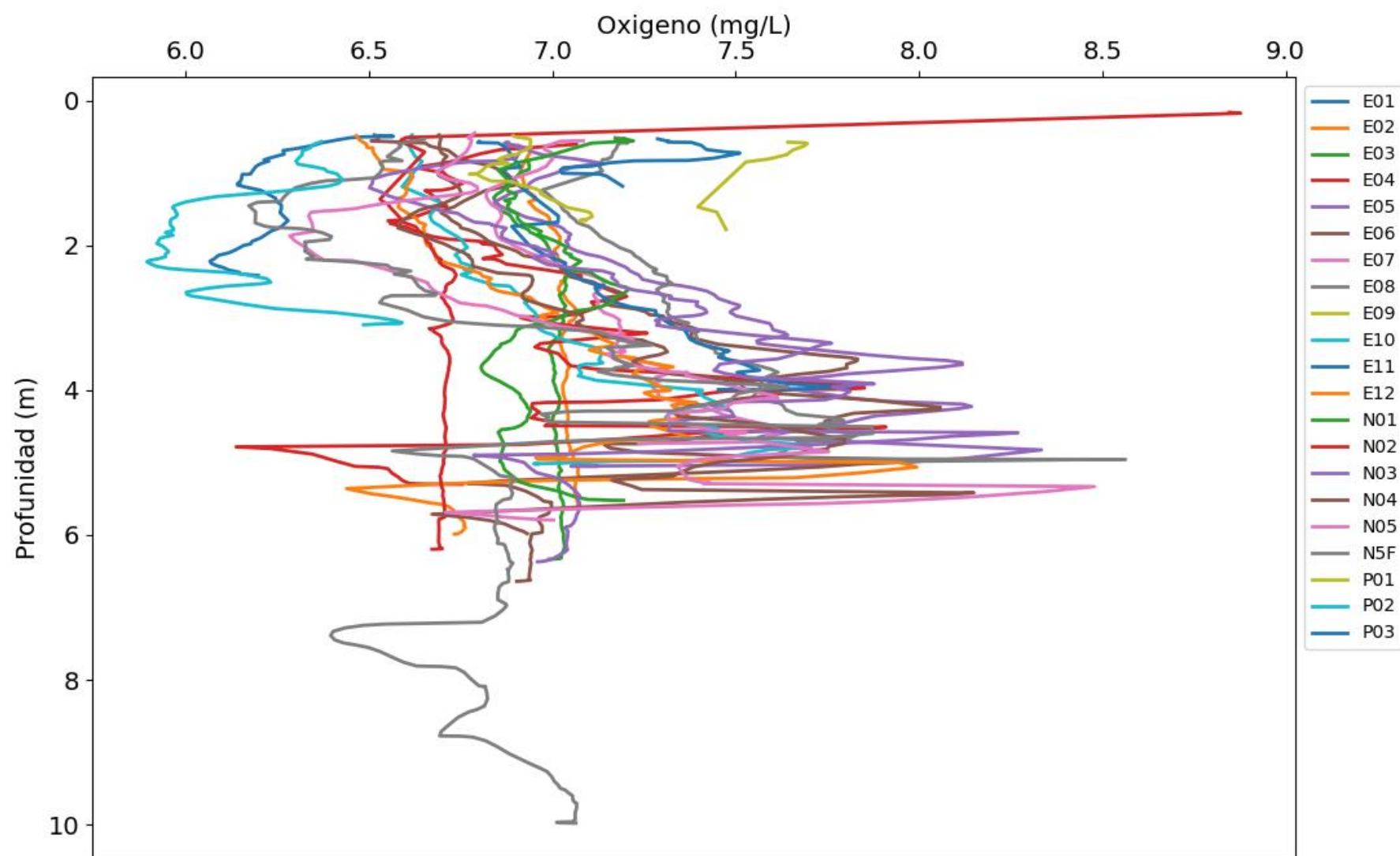
Evolución del contenido medio de la temperatura (°C)

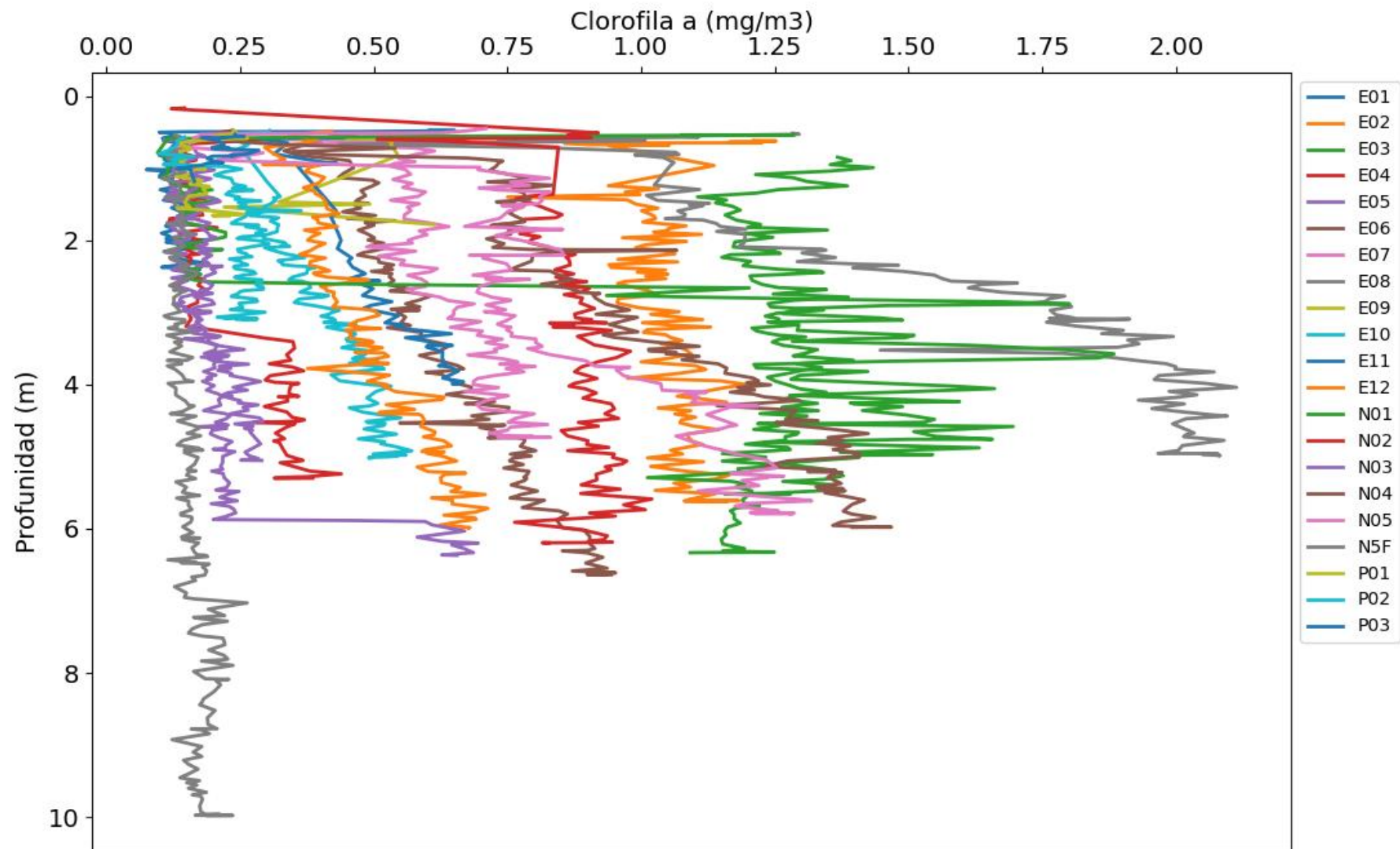


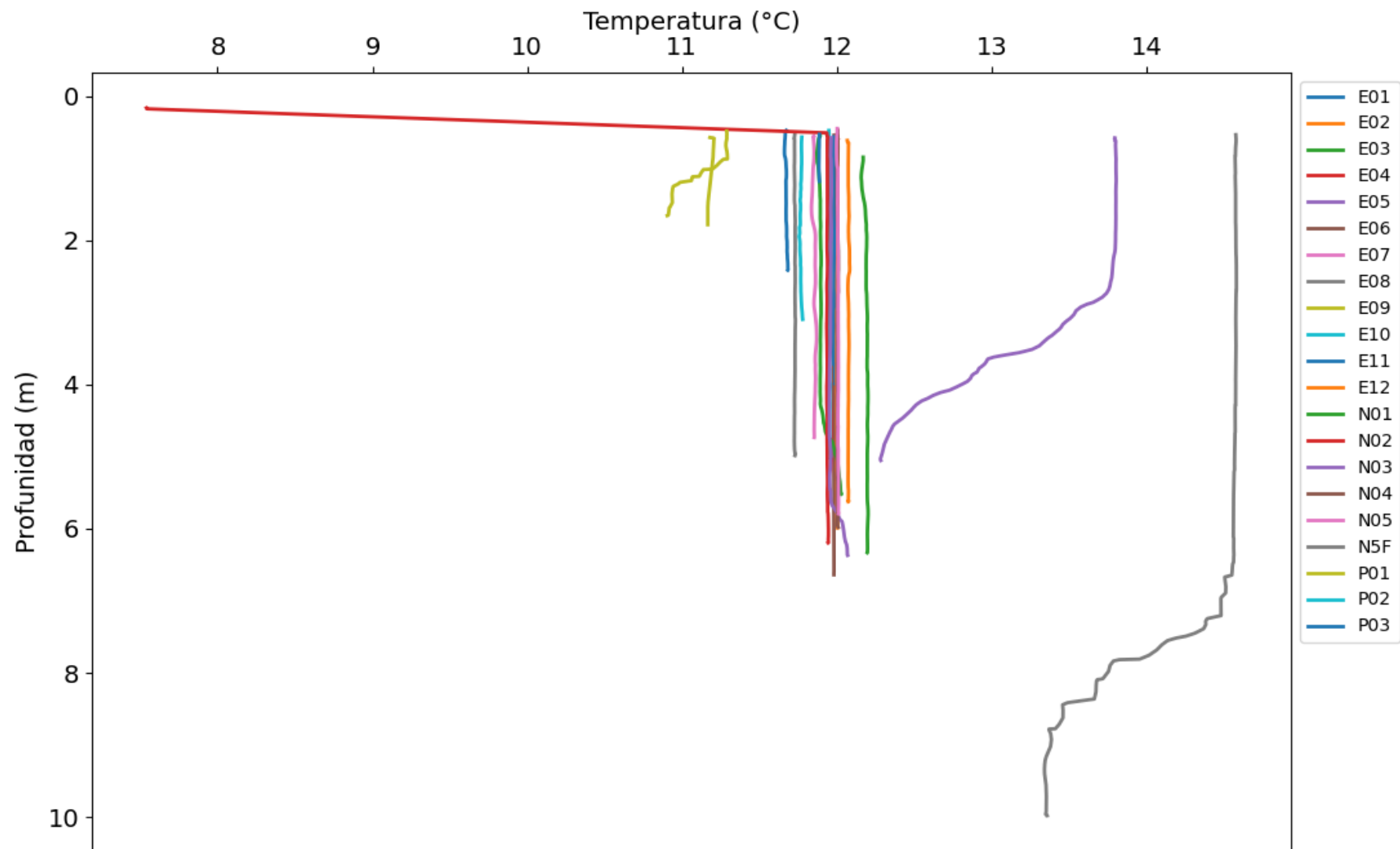
Evolución del contenido medio de la salinidad (PSU)

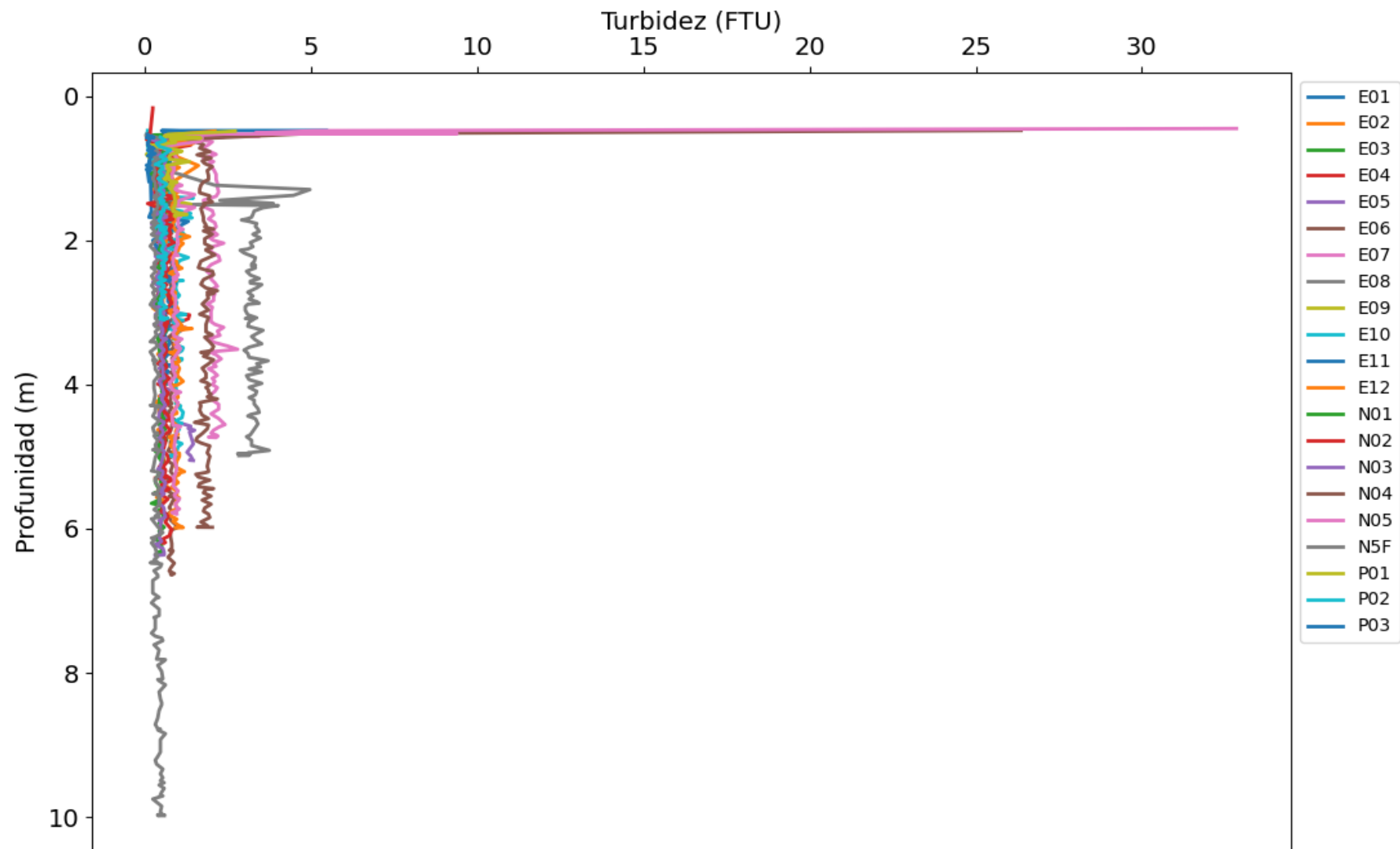


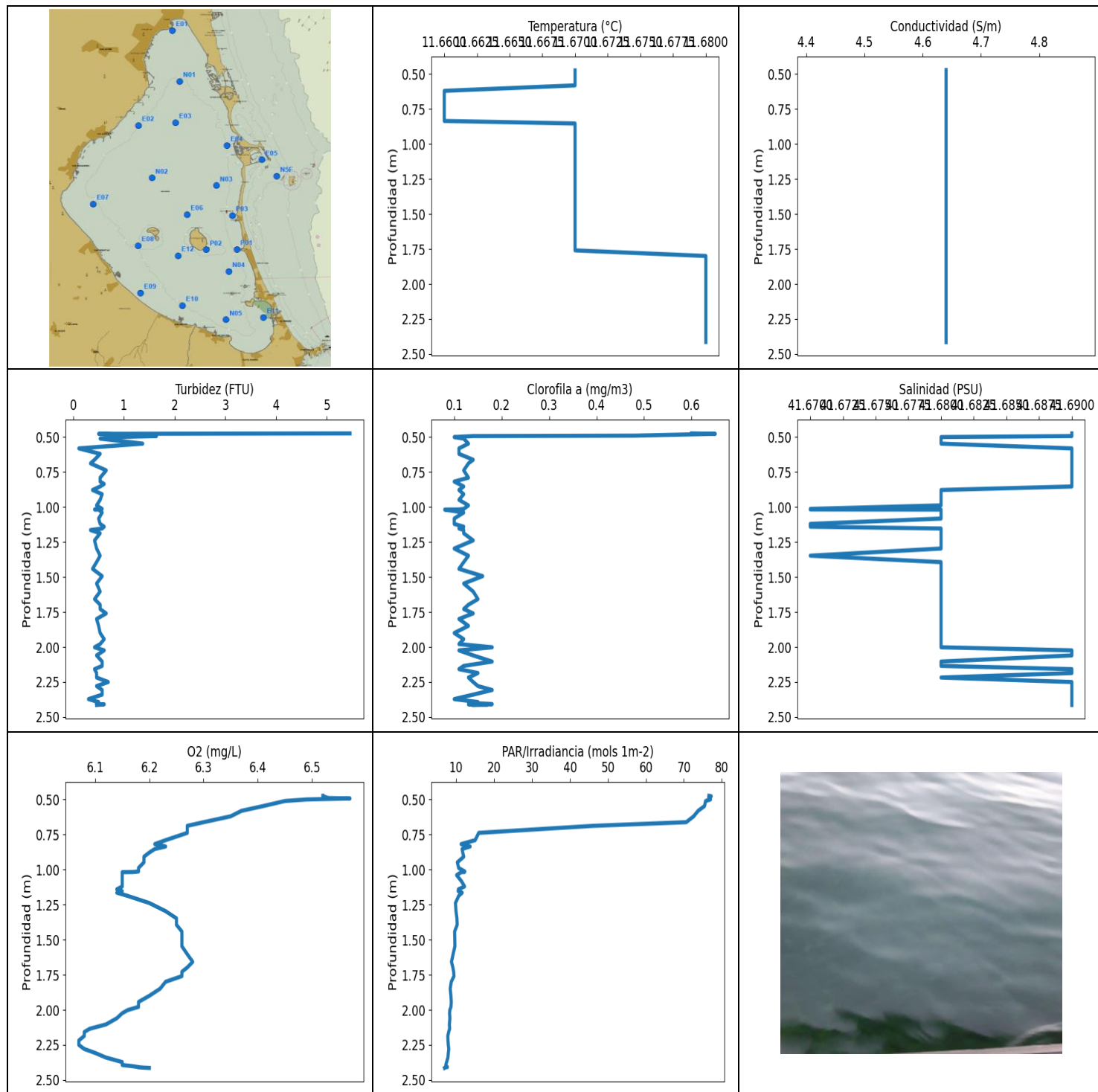
Imagen sentinel del día 15/1/2022











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

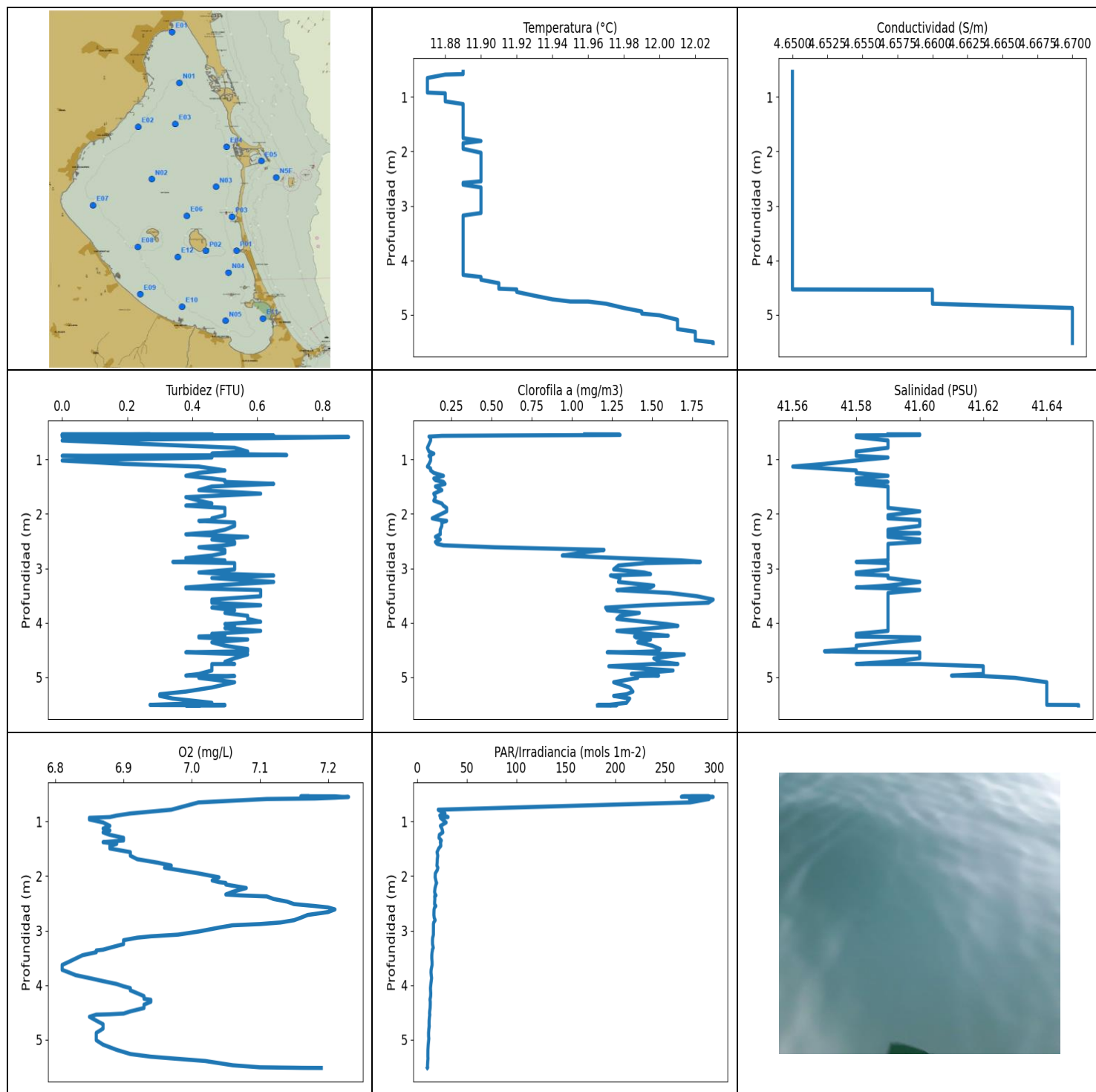
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.66	4.64	0.11	6.07	6.92	0.08	41.67
PROF (metros)	0.621	0.475	0.582	2.218	2.414	1.019	1.014
MÁXIMO	11.68	11.68	5.46	6.57	77.23	0.65	41.69
PROF (metros)	1.8	0.475	0.475	0.494	0.478	0.478	0.475

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E01 - Punto 001	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.67	4.64	0.9	6.33	45.54	0.19	41.69
1 - 2m	11.67	4.64	0.51	6.21	10.02	0.12	41.68
2 - 3m	11.68	4.64	0.5	6.13	7.78	0.14	41.69

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.475	11.67	4.64	5.46	6.52	76.61	0.6	41.69
0.478	11.67	4.64	0.5	6.52	77.23	0.65	41.69
0.491	11.67	4.64	1.49	6.53	76.61	0.48	41.69
0.494	11.67	4.64	1.64	6.57	76.79	0.14	41.69
0.501	11.67	4.64	0.88	6.49	77.04	0.1	41.68
0.512	11.67	4.64	0.53	6.45	75.74	0.12	41.68
0.548	11.67	4.64	1.37	6.41	75.46	0.13	41.68
0.582	11.67	4.64	0.11	6.37	73.77	0.11	41.69
0.621	11.66	4.64	0.53	6.35	72.6	0.11	41.69
0.663	11.66	4.64	0.42	6.3	70.64	0.14	41.69
0.689	11.66	4.64	0.34	6.27	46.11	0.13	41.69
0.739	11.66	4.64	0.65	6.27	15.94	0.12	41.69
0.791	11.66	4.64	0.53	6.23	15.0	0.13	41.69
0.819	11.66	4.64	0.53	6.21	11.29	0.1	41.69
0.836	11.66	4.64	0.61	6.23	13.67	0.11	41.69
0.854	11.67	4.64	0.53	6.21	11.55	0.12	41.69
0.879	11.67	4.64	0.38	6.2	11.72	0.11	41.68
0.909	11.67	4.64	0.57	6.19	11.98	0.12	41.68
0.949	11.67	4.64	0.53	6.19	10.3	0.11	41.68
0.989	11.67	4.64	0.46	6.18	10.65	0.13	41.68
1.014	11.67	4.64	0.57	6.18	12.27	0.12	41.67
1.018	11.67	4.64	0.42	6.17	12.17	0.11	41.67
1.019	11.67	4.64	0.5	6.15	11.32	0.08	41.68
1.04	11.67	4.64	0.57	6.15	10.11	0.12	41.68
1.083	11.67	4.64	0.5	6.15	11.37	0.1	41.68
1.121	11.67	4.64	0.53	6.15	12.2	0.1	41.67
1.141	11.67	4.64	0.61	6.14	10.58	0.12	41.67
1.154	11.67	4.64	0.57	6.15	10.51	0.11	41.68
1.165	11.67	4.64	0.34	6.14	11.57	0.12	41.68
1.188	11.67	4.64	0.53	6.16	10.66	0.12	41.68
1.239	11.67	4.64	0.42	6.2	9.8	0.14	41.68
1.297	11.67	4.64	0.46	6.23	9.94	0.1	41.68
1.348	11.67	4.64	0.53	6.25	10.19	0.13	41.67
1.394	11.67	4.64	0.46	6.25	10.26	0.12	41.68
1.442	11.67	4.64	0.38	6.26	9.58	0.11	41.68
1.494	11.67	4.64	0.57	6.26	9.62	0.16	41.68
1.547	11.67	4.64	0.46	6.26	9.65	0.12	41.68
1.604	11.67	4.64	0.53	6.27	9.18	0.14	41.68
1.658	11.67	4.64	0.42	6.28	8.75	0.15	41.68

1.698	11.67	4.64	0.53	6.27	9.12	0.13	41.68
1.729	11.67	4.64	0.53	6.26	9.33	0.12	41.68
1.76	11.67	4.64	0.65	6.26	9.41	0.14	41.68
1.8	11.68	4.64	0.46	6.23	8.7	0.11	41.68
1.849	11.68	4.64	0.5	6.22	8.42	0.13	41.68
1.9	11.68	4.64	0.53	6.2	8.6	0.1	41.68
1.944	11.68	4.64	0.61	6.18	8.7	0.12	41.68
1.979	11.68	4.64	0.53	6.18	8.62	0.11	41.68
2.002	11.68	4.64	0.42	6.16	8.31	0.18	41.68
2.024	11.68	4.64	0.61	6.15	8.25	0.11	41.69
2.06	11.68	4.64	0.46	6.14	8.33	0.14	41.69
2.104	11.68	4.64	0.57	6.12	8.2	0.18	41.68
2.135	11.68	4.64	0.57	6.09	8.27	0.12	41.68
2.158	11.68	4.64	0.42	6.08	8.01	0.11	41.69
2.186	11.68	4.64	0.46	6.08	7.79	0.15	41.69
2.218	11.68	4.64	0.46	6.07	7.83	0.13	41.68
2.25	11.68	4.64	0.69	6.07	7.91	0.14	41.69
2.279	11.68	4.64	0.46	6.08	8.04	0.15	41.69
2.307	11.68	4.64	0.57	6.1	7.92	0.18	41.69
2.34	11.68	4.64	0.57	6.12	7.82	0.14	41.69
2.372	11.68	4.64	0.3	6.15	7.47	0.1	41.69
2.393	11.68	4.64	0.5	6.15	7.26	0.15	41.69
2.402	11.68	4.64	0.46	6.17	7.47	0.15	41.69
2.408	11.68	4.64	0.46	6.18	7.67	0.18	41.69
2.409	11.68	4.64	0.61	6.18	7.3	0.13	41.69
2.412	11.68	4.64	0.53	6.19	7.03	0.17	41.69
2.414	11.68	4.64	0.46	6.2	6.92	0.14	41.69



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.87	4.65	0.0	6.81	10.07	0.1	41.56
PROF (metros)	0.65	0.536	0.537	3.632	5.522	0.784	1.129
MÁXIMO	12.03	12.03	0.88	7.23	298.78	1.88	41.65
PROF (metros)	5.51	4.878	0.587	0.549	0.549	3.574	5.394

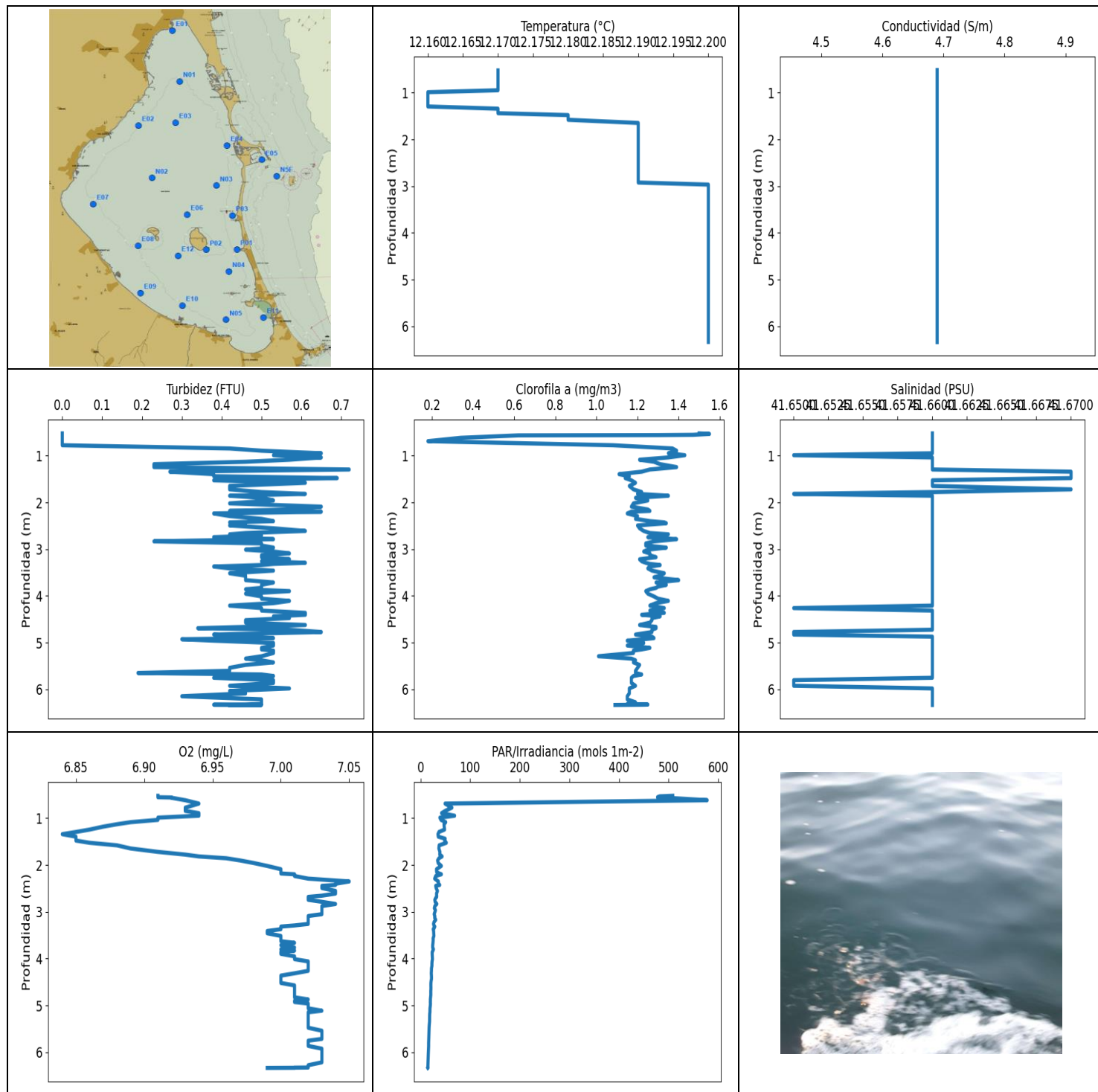
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N01 - Punto 002	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.88	4.65	0.55	7.02	139.35	0.41	41.59
1 - 2m	11.89	4.65	0.45	6.91	21.98	0.16	41.58
2 - 3m	11.9	4.65	0.48	7.11	17.56	0.58	41.59
3 - 4m	11.89	4.65	0.53	6.87	14.82	1.44	41.59
4 - 5m	11.93	4.66	0.49	6.89	12.4	1.48	41.59
5 - 6m	12.02	4.67	0.4	7.04	10.44	1.28	41.64

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.536	11.89	4.65	0.46	7.17	270.31	1.08	41.59
0.537	11.89	4.65	0.0	7.16	294.45	1.21	41.6
0.538	11.89	4.65	0.27	7.21	277.23	1.29	41.6
0.547	11.89	4.65	0.0	7.22	266.64	1.3	41.6
0.549	11.89	4.65	0.0	7.23	298.78	1.24	41.6
0.557	11.89	4.65	0.65	7.22	284.52	0.6	41.58
0.564	11.89	4.65	0.0	7.21	293.42	0.19	41.58
0.578	11.89	4.65	0.0	7.18	274.6	0.11	41.58
0.587	11.88	4.65	0.88	7.11	294.51	0.12	41.58
0.65	11.87	4.65	0.0	7.01	275.43	0.12	41.59
0.784	11.87	4.65	0.53	6.97	20.99	0.1	41.59
0.853	11.87	4.65	0.57	6.91	27.89	0.11	41.58
0.891	11.87	4.65	0.46	6.89	22.54	0.14	41.58
0.918	11.87	4.65	0.69	6.88	30.95	0.12	41.58
0.932	11.88	4.65	0.0	6.85	23.25	0.11	41.58
0.963	11.88	4.65	0.46	6.85	25.2	0.12	41.59
1.018	11.88	4.65	0.0	6.87	29.02	0.12	41.58
1.08	11.88	4.65	0.19	6.88	23.22	0.11	41.57
1.129	11.89	4.65	0.42	6.87	24.69	0.1	41.56
1.164	11.89	4.65	0.46	6.88	25.24	0.12	41.57
1.2	11.89	4.65	0.5	6.87	25.65	0.12	41.58
1.245	11.89	4.65	0.42	6.88	22.13	0.14	41.58
1.299	11.89	4.65	0.38	6.9	21.79	0.2	41.59
1.348	11.89	4.65	0.46	6.9	24.17	0.14	41.58
1.379	11.89	4.65	0.5	6.87	23.15	0.15	41.58
1.41	11.89	4.65	0.5	6.89	23.49	0.2	41.59
1.447	11.89	4.65	0.65	6.88	23.62	0.21	41.58
1.495	11.89	4.65	0.46	6.88	21.48	0.15	41.59
1.562	11.89	4.65	0.42	6.91	19.84	0.19	41.59
1.627	11.89	4.65	0.61	6.91	20.54	0.14	41.59
1.691	11.89	4.65	0.38	6.92	20.09	0.15	41.59
1.755	11.89	4.65	0.42	6.95	19.96	0.14	41.59
1.808	11.9	4.65	0.46	6.97	19.7	0.19	41.59
1.848	11.89	4.65	0.38	6.96	20.65	0.2	41.59
1.889	11.89	4.65	0.5	6.98	20.08	0.22	41.59
1.952	11.89	4.65	0.5	7.01	18.09	0.22	41.6

2.024	11.9	4.65	0.5	7.04	17.9	0.17	41.59
2.081	11.9	4.65	0.46	7.03	18.6	0.13	41.59
2.112	11.9	4.65	0.46	7.04	19.02	0.18	41.6
2.127	11.9	4.65	0.42	7.05	19.44	0.22	41.6
2.156	11.9	4.65	0.53	7.05	18.74	0.19	41.6
2.22	11.9	4.65	0.53	7.08	17.8	0.19	41.6
2.29	11.9	4.65	0.5	7.06	17.36	0.18	41.59
2.339	11.9	4.65	0.46	7.05	17.91	0.18	41.59
2.355	11.9	4.65	0.42	7.07	18.74	0.18	41.6
2.374	11.9	4.65	0.38	7.11	17.43	0.18	41.59
2.421	11.9	4.65	0.57	7.12	17.61	0.15	41.59
2.47	11.9	4.65	0.46	7.14	17.42	0.18	41.6
2.515	11.9	4.65	0.53	7.15	17.37	0.15	41.6
2.55	11.9	4.65	0.53	7.18	18.59	0.16	41.59
2.577	11.89	4.65	0.5	7.2	17.35	0.2	41.59
2.613	11.89	4.65	0.42	7.21	16.82	0.52	41.59
2.661	11.9	4.65	0.5	7.2	16.7	1.2	41.59
2.715	11.9	4.65	0.5	7.17	16.64	1.06	41.59
2.765	11.9	4.65	0.46	7.16	16.96	0.94	41.59
2.811	11.9	4.65	0.38	7.15	17.92	1.29	41.59
2.853	11.9	4.65	0.5	7.13	16.47	1.68	41.59
2.882	11.9	4.65	0.34	7.1	16.18	1.8	41.58
2.904	11.9	4.65	0.53	7.06	16.18	1.46	41.59
2.947	11.9	4.65	0.53	7.04	16.18	1.29	41.59
3.019	11.9	4.65	0.53	7.01	16.15	1.26	41.59
3.076	11.9	4.65	0.42	6.98	16.13	1.45	41.58
3.107	11.9	4.65	0.53	6.94	15.79	1.49	41.58
3.132	11.9	4.65	0.65	6.92	15.4	1.24	41.59
3.178	11.89	4.65	0.46	6.9	15.2	1.3	41.59
3.25	11.89	4.65	0.65	6.9	15.25	1.29	41.6
3.317	11.89	4.65	0.46	6.88	16.01	1.51	41.59
3.352	11.89	4.65	0.38	6.87	15.09	1.49	41.58
3.366	11.89	4.65	0.38	6.86	15.17	1.39	41.59
3.399	11.89	4.65	0.61	6.86	14.78	1.28	41.6
3.453	11.89	4.65	0.61	6.84	14.52	1.61	41.59
3.513	11.89	4.65	0.61	6.83	14.51	1.78	41.59
3.574	11.89	4.65	0.46	6.82	14.78	1.88	41.59
3.632	11.89	4.65	0.46	6.81	14.8	1.85	41.59
3.678	11.89	4.65	0.61	6.81	14.31	1.46	41.59
3.722	11.89	4.65	0.46	6.81	13.84	1.21	41.59
3.77	11.89	4.65	0.53	6.82	13.73	1.22	41.59
3.82	11.89	4.65	0.5	6.83	13.97	1.42	41.59
3.873	11.89	4.65	0.57	6.85	14.32	1.3	41.59
3.929	11.89	4.65	0.57	6.87	13.94	1.28	41.59
3.982	11.89	4.65	0.61	6.89	13.58	1.45	41.59
4.024	11.89	4.65	0.5	6.9	13.36	1.59	41.59
4.057	11.89	4.65	0.53	6.91	13.18	1.66	41.59
4.098	11.89	4.65	0.5	6.91	13.27	1.51	41.59
4.15	11.89	4.65	0.61	6.92	13.45	1.28	41.59
4.204	11.89	4.65	0.46	6.93	13.35	1.47	41.58
4.239	11.89	4.65	0.5	6.93	13.04	1.6	41.58
4.253	11.89	4.65	0.42	6.93	12.79	1.39	41.58
4.271	11.89	4.65	0.42	6.94	12.7	1.4	41.6
4.308	11.9	4.65	0.57	6.94	12.98	1.49	41.6
4.36	11.9	4.65	0.46	6.93	12.96	1.41	41.59
4.422	11.91	4.65	0.5	6.93	12.82	1.5	41.58
4.484	11.91	4.65	0.57	6.91	12.36	1.55	41.58
4.524	11.91	4.65	0.57	6.9	12.23	1.53	41.57

4.537	11.92	4.65	0.46	6.88	12.42	1.42	41.58
4.544	11.92	4.66	0.38	6.86	12.52	1.22	41.6
4.583	11.92	4.66	0.57	6.85	12.16	1.7	41.6
4.653	11.93	4.66	0.53	6.86	11.84	1.51	41.6
4.719	11.94	4.66	0.5	6.87	11.79	1.55	41.59
4.759	11.95	4.66	0.53	6.87	11.95	1.66	41.58
4.76	11.96	4.66	0.46	6.87	11.86	1.5	41.6
4.8	11.97	4.66	0.46	6.87	11.57	1.23	41.62
4.878	11.98	4.67	0.46	6.86	11.26	1.63	41.62
4.942	11.99	4.67	0.42	6.86	11.3	1.37	41.62
4.972	11.99	4.67	0.38	6.86	11.44	1.54	41.61
4.981	11.99	4.67	0.53	6.86	11.49	1.4	41.62
5.013	12.0	4.67	0.42	6.86	11.34	1.41	41.63
5.094	12.01	4.67	0.53	6.87	10.92	1.26	41.64
5.19	12.01	4.67	0.46	6.89	10.6	1.36	41.64
5.266	12.01	4.67	0.38	6.91	10.56	1.38	41.64
5.315	12.02	4.67	0.3	6.94	10.54	1.34	41.64
5.345	12.02	4.67	0.3	6.97	10.67	1.26	41.64
5.394	12.02	4.67	0.34	7.02	10.43	1.36	41.64
5.472	12.02	4.67	0.46	7.06	10.21	1.34	41.64
5.51	12.03	4.67	0.27	7.1	10.22	1.23	41.64
5.513	12.03	4.67	0.5	7.12	10.19	1.21	41.65
5.515	12.03	4.67	0.3	7.13	10.28	1.16	41.65
5.518	12.03	4.67	0.5	7.15	10.24	1.28	41.65
5.52	12.03	4.67	0.46	7.16	10.21	1.24	41.65
5.521	12.03	4.67	0.38	7.17	10.12	1.24	41.65
5.522	12.03	4.67	0.42	7.19	10.07	1.16	41.65



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.16	4.69	0.0	6.84	14.47	0.18	41.65
PROF (metros)	0.99	0.524	0.524	1.343	6.312	0.69	0.99
MÁXIMO	12.2	12.2	0.73	7.05	577.86	1.55	41.67
PROF (metros)	2.967	0.524	1.296	2.352	0.618	0.535	1.343

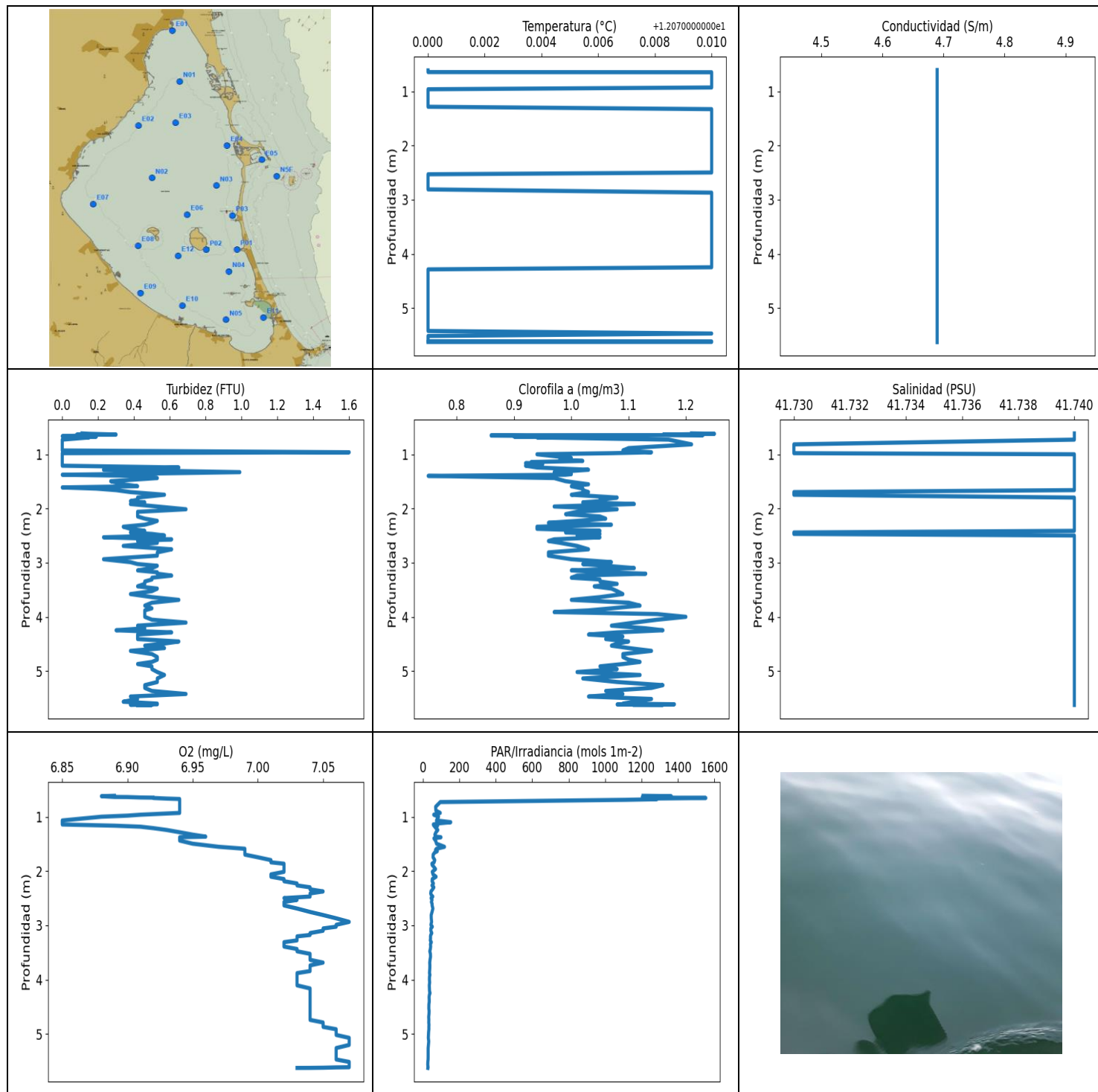
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E03 - Punto 003	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.17	4.69	0.52	6.93	49.75	1.39	41.66
1 - 2m	12.18	4.69	0.47	6.89	41.71	1.23	41.66
2 - 3m	12.19	4.69	0.48	7.02	32.73	1.25	41.66
3 - 4m	12.2	4.69	0.49	7.01	26.11	1.28	41.66
4 - 5m	12.2	4.69	0.5	7.01	21.15	1.27	41.66
5 - 6m	12.2	4.69	0.48	7.02	17.31	1.18	41.66
6 - 7m	12.2	4.69	0.44	7.02	14.81	1.16	41.66

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.524	12.17	4.69	0.0	6.91	508.46	1.5	41.66
0.535	12.17	4.69	0.0	6.91	482.29	1.55	41.66
0.554	12.17	4.69	0.0	6.91	477.73	1.47	41.66
0.56	12.17	4.69	0.0	6.92	482.18	1.3	41.66
0.566	12.17	4.69	0.0	6.92	495.78	0.62	41.66
0.618	12.17	4.69	0.0	6.93	577.86	0.34	41.66
0.69	12.17	4.69	0.0	6.94	49.22	0.18	41.66
0.777	12.17	4.69	0.0	6.93	63.04	1.08	41.66
0.846	12.17	4.69	0.42	6.93	49.55	1.37	41.66
0.894	12.17	4.69	0.5	6.94	42.15	1.39	41.66
0.949	12.17	4.69	0.65	6.94	68.53	1.35	41.66
0.99	12.16	4.69	0.53	6.91	38.79	1.43	41.65
1.038	12.16	4.69	0.65	6.91	41.01	1.35	41.66
1.087	12.16	4.69	0.57	6.89	50.57	1.21	41.66
1.131	12.16	4.69	0.46	6.88	47.1	1.28	41.66
1.182	12.16	4.69	0.23	6.87	47.48	1.31	41.66
1.245	12.16	4.69	0.23	6.86	48.24	1.39	41.66
1.296	12.16	4.69	0.72	6.85	36.92	1.26	41.66
1.343	12.17	4.69	0.27	6.84	34.91	1.22	41.67
1.396	12.17	4.69	0.38	6.85	35.54	1.11	41.67
1.44	12.17	4.69	0.38	6.85	49.5	1.16	41.67
1.48	12.18	4.69	0.69	6.85	48.43	1.14	41.67
1.527	12.18	4.69	0.38	6.86	51.79	1.17	41.66
1.581	12.18	4.69	0.61	6.88	37.33	1.19	41.66
1.648	12.19	4.69	0.42	6.89	36.71	1.16	41.66
1.721	12.19	4.69	0.42	6.91	38.83	1.18	41.67
1.779	12.19	4.69	0.5	6.93	38.53	1.22	41.66
1.818	12.19	4.69	0.61	6.94	43.27	1.2	41.65
1.857	12.19	4.69	0.42	6.96	36.88	1.35	41.66
1.903	12.19	4.69	0.5	6.97	34.2	1.19	41.66
1.958	12.19	4.69	0.53	6.98	35.28	1.25	41.66
2.021	12.19	4.69	0.42	6.99	41.73	1.18	41.66
2.091	12.19	4.69	0.65	7.0	31.95	1.17	41.66
2.152	12.19	4.69	0.57	7.0	32.27	1.25	41.66
2.182	12.19	4.69	0.42	7.0	37.56	1.26	41.66

2.199	12.19	4.69	0.65	7.01	41.8	1.17	41.66
2.236	12.19	4.69	0.38	7.01	30.36	1.15	41.66
2.292	12.19	4.69	0.42	7.02	28.28	1.2	41.66
2.352	12.19	4.69	0.5	7.05	35.74	1.19	41.66
2.401	12.19	4.69	0.53	7.04	35.6	1.26	41.66
2.427	12.19	4.69	0.42	7.04	38.5	1.33	41.66
2.446	12.19	4.69	0.46	7.03	30.34	1.34	41.66
2.493	12.19	4.69	0.42	7.03	31.23	1.2	41.66
2.554	12.19	4.69	0.53	7.04	33.9	1.21	41.66
2.611	12.19	4.69	0.61	7.04	32.06	1.23	41.66
2.656	12.19	4.69	0.46	7.03	32.26	1.26	41.66
2.682	12.19	4.69	0.42	7.02	32.24	1.35	41.66
2.706	12.19	4.69	0.5	7.02	30.35	1.31	41.66
2.744	12.19	4.69	0.38	7.02	28.6	1.25	41.66
2.787	12.19	4.69	0.53	7.03	29.19	1.39	41.66
2.833	12.19	4.69	0.23	7.04	32.64	1.28	41.66
2.878	12.19	4.69	0.5	7.03	28.64	1.24	41.66
2.923	12.19	4.69	0.5	7.03	27.68	1.24	41.66
2.967	12.2	4.69	0.53	7.03	29.81	1.34	41.66
3.011	12.2	4.69	0.46	7.03	28.5	1.25	41.66
3.051	12.2	4.69	0.53	7.03	27.39	1.23	41.66
3.091	12.2	4.69	0.57	7.02	28.52	1.26	41.66
3.132	12.2	4.69	0.5	7.02	28.42	1.26	41.66
3.172	12.2	4.69	0.5	7.02	30.34	1.29	41.66
3.217	12.2	4.69	0.57	7.02	27.06	1.21	41.66
3.259	12.2	4.69	0.5	7.02	25.94	1.22	41.66
3.292	12.2	4.69	0.61	7.01	26.8	1.24	41.66
3.316	12.2	4.69	0.53	7.0	28.52	1.26	41.66
3.34	12.2	4.69	0.5	7.0	27.52	1.31	41.66
3.372	12.2	4.69	0.38	7.0	25.27	1.26	41.66
3.411	12.2	4.69	0.42	6.99	26.14	1.25	41.66
3.459	12.2	4.69	0.53	6.99	26.37	1.27	41.66
3.516	12.2	4.69	0.42	7.0	26.67	1.33	41.66
3.568	12.2	4.69	0.46	7.0	25.08	1.31	41.66
3.603	12.2	4.69	0.46	7.0	25.29	1.28	41.66
3.629	12.2	4.69	0.46	7.0	25.08	1.33	41.66
3.663	12.2	4.69	0.46	7.01	24.84	1.4	41.66
3.713	12.2	4.69	0.53	7.0	24.27	1.29	41.66
3.764	12.2	4.69	0.5	7.01	24.22	1.34	41.66
3.801	12.2	4.69	0.5	7.0	25.76	1.3	41.66
3.829	12.2	4.69	0.5	7.01	24.77	1.29	41.66
3.859	12.2	4.69	0.46	7.0	23.25	1.26	41.66
3.898	12.2	4.69	0.57	7.0	23.25	1.24	41.66
3.952	12.2	4.69	0.46	7.01	23.53	1.25	41.66
4.012	12.2	4.69	0.5	7.01	23.77	1.28	41.66
4.06	12.2	4.69	0.5	7.02	23.02	1.3	41.66
4.107	12.2	4.69	0.57	7.02	22.75	1.35	41.66
4.155	12.2	4.69	0.53	7.02	22.72	1.29	41.66
4.208	12.2	4.69	0.42	7.02	21.9	1.26	41.66
4.261	12.2	4.69	0.5	7.02	21.79	1.33	41.65
4.314	12.2	4.69	0.5	7.01	21.46	1.26	41.66
4.363	12.2	4.69	0.61	7.0	21.79	1.33	41.66
4.404	12.2	4.69	0.61	7.0	21.92	1.22	41.66
4.437	12.2	4.69	0.53	7.0	21.84	1.31	41.66
4.475	12.2	4.69	0.57	7.0	21.14	1.27	41.66
4.52	12.2	4.69	0.46	7.0	20.68	1.27	41.66
4.572	12.2	4.69	0.46	7.01	20.61	1.26	41.66
4.623	12.2	4.69	0.61	7.01	20.73	1.21	41.66

4.663	12.2	4.69	0.46	7.01	20.63	1.29	41.66
4.691	12.2	4.69	0.34	7.01	20.4	1.29	41.66
4.724	12.2	4.69	0.57	7.01	20.43	1.27	41.66
4.773	12.2	4.69	0.65	7.01	20.47	1.27	41.65
4.827	12.2	4.69	0.38	7.01	19.91	1.19	41.65
4.872	12.2	4.69	0.46	7.02	19.56	1.27	41.66
4.903	12.2	4.69	0.53	7.01	19.74	1.28	41.66
4.927	12.2	4.69	0.3	7.01	19.47	1.23	41.66
4.958	12.2	4.69	0.38	7.02	19.71	1.15	41.66
5.007	12.2	4.69	0.53	7.02	19.46	1.23	41.66
5.062	12.2	4.69	0.53	7.02	18.81	1.15	41.66
5.112	12.2	4.69	0.5	7.03	18.7	1.26	41.66
5.145	12.2	4.69	0.5	7.02	18.68	1.22	41.66
5.17	12.2	4.69	0.53	7.02	18.32	1.18	41.66
5.221	12.2	4.69	0.53	7.02	18.13	1.18	41.66
5.291	12.2	4.69	0.5	7.02	18.01	1.01	41.66
5.342	12.2	4.69	0.46	7.02	18.0	1.17	41.66
5.378	12.2	4.69	0.5	7.02	17.69	1.19	41.66
5.423	12.2	4.69	0.53	7.02	17.36	1.18	41.66
5.476	12.2	4.69	0.46	7.02	17.06	1.21	41.66
5.539	12.2	4.69	0.42	7.03	16.9	1.2	41.66
5.603	12.2	4.69	0.42	7.03	16.78	1.19	41.66
5.649	12.2	4.69	0.19	7.03	16.74	1.19	41.66
5.681	12.2	4.69	0.5	7.03	16.57	1.22	41.66
5.714	12.2	4.69	0.53	7.03	16.35	1.18	41.66
5.752	12.2	4.69	0.38	7.02	16.27	1.17	41.66
5.803	12.2	4.69	0.53	7.02	16.09	1.17	41.65
5.863	12.2	4.69	0.53	7.02	16.1	1.17	41.65
5.923	12.2	4.69	0.42	7.03	15.83	1.19	41.65
5.98	12.2	4.69	0.57	7.03	15.54	1.16	41.66
6.034	12.2	4.69	0.42	7.03	15.42	1.16	41.66
6.086	12.2	4.69	0.46	7.03	15.23	1.16	41.66
6.147	12.2	4.69	0.3	7.03	15.09	1.15	41.66
6.214	12.2	4.69	0.5	7.03	14.88	1.15	41.66
6.276	12.2	4.69	0.5	7.02	14.71	1.19	41.66
6.312	12.2	4.69	0.5	7.02	14.47	1.15	41.66
6.325	12.2	4.69	0.46	7.02	14.5	1.25	41.66
6.328	12.2	4.69	0.38	7.01	14.61	1.23	41.66
6.331	12.2	4.69	0.42	7.01	14.83	1.15	41.66
6.333	12.2	4.69	0.5	7.0	14.6	1.1	41.66
6.334	12.2	4.69	0.42	6.99	14.54	1.09	41.66



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.07	4.69	0.0	6.85	26.59	0.75	41.73
PROF (metros)	0.614	0.614	0.665	1.068	5.566	1.398	0.816
MÁXIMO	12.08	12.08	1.6	7.07	1552.5	1.25	41.74
PROF (metros)	0.648	0.614	0.962	2.936	0.654	0.621	0.614

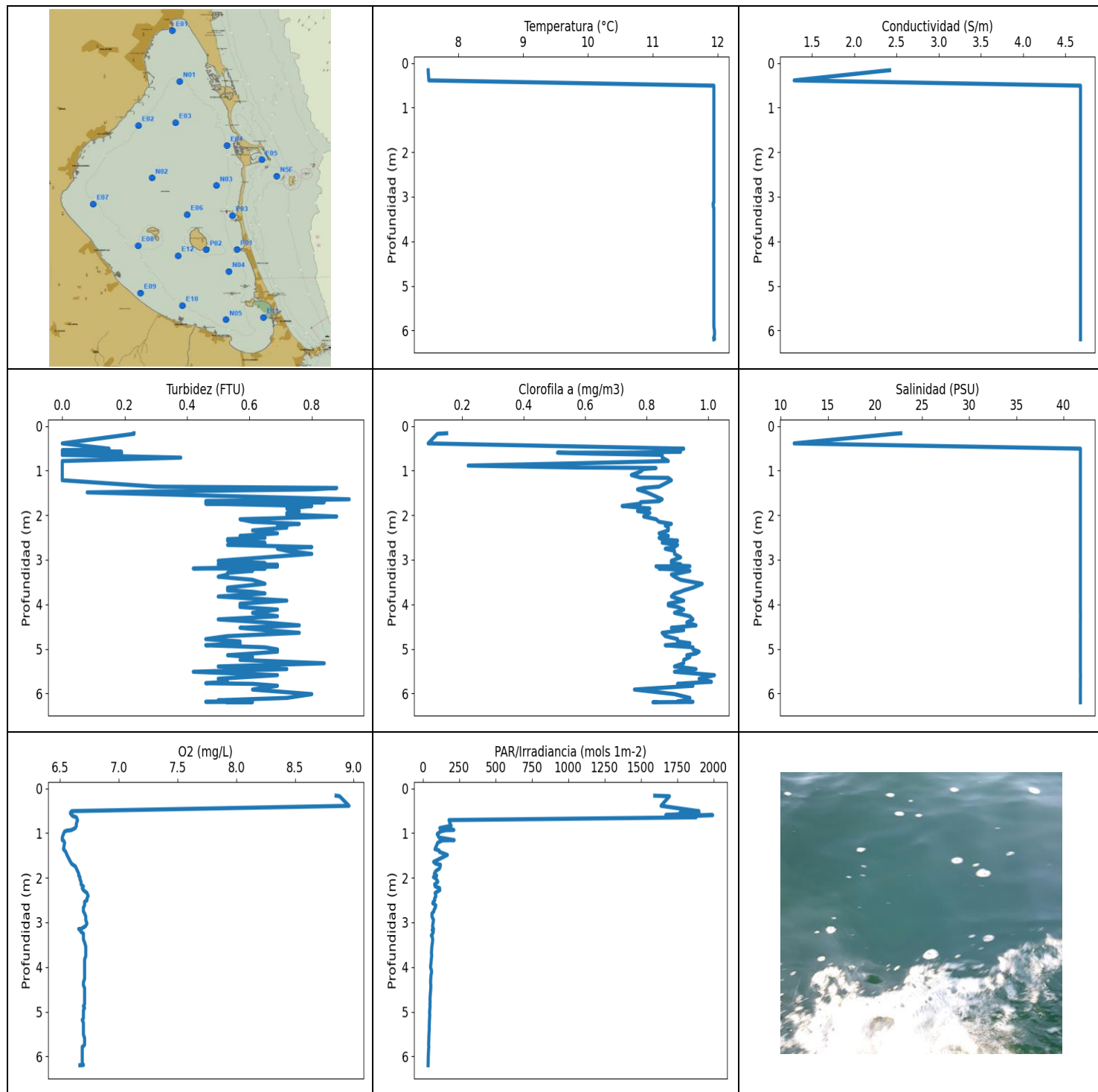
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E02 - Punto 004	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.07	4.69	0.28	6.91	1178.13	1.07	41.74
1 - 2m	12.08	4.69	0.43	6.98	68.28	1.0	41.74
2 - 3m	12.08	4.69	0.46	7.03	50.74	1.01	41.74
3 - 4m	12.08	4.69	0.49	7.04	40.85	1.06	41.74
4 - 5m	12.07	4.69	0.49	7.04	33.94	1.09	41.74
5 - 6m	12.07	4.69	0.48	7.06	28.43	1.1	41.74

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.614	12.07	4.69	0.11	6.89	1208.1	1.21	41.74
0.621	12.07	4.69	0.15	6.88	1362.9	1.25	41.74
0.635	12.07	4.69	0.3	6.89	1204.2	1.17	41.74
0.637	12.07	4.69	0.08	6.9	1229.6	1.16	41.74
0.645	12.07	4.69	0.19	6.91	1317.5	1.23	41.74
0.648	12.08	4.69	0.11	6.92	1350.0	0.86	41.74
0.654	12.08	4.69	0.11	6.92	1552.5	0.86	41.74
0.665	12.08	4.69	0.0	6.93	1234.2	0.99	41.74
0.673	12.08	4.69	0.19	6.94	1280.2	0.9	41.74
0.677	12.08	4.69	0.08	6.94	1283.8	1.05	41.74
0.688	12.08	4.69	0.15	6.94	1111.2	0.94	41.74
0.729	12.08	4.69	0.0	6.94	95.35	1.17	41.74
0.816	12.08	4.69	0.0	6.94	69.7	1.21	41.73
0.885	12.08	4.69	0.0	6.94	71.05	1.1	41.73
0.929	12.08	4.69	0.0	6.94	95.17	1.09	41.73
0.962	12.07	4.69	1.6	6.91	59.41	1.14	41.73
0.979	12.07	4.69	0.0	6.9	71.76	1.07	41.73
0.999	12.07	4.69	0.0	6.88	85.7	0.94	41.74
1.068	12.07	4.69	0.0	6.85	74.37	1.0	41.74
1.1	12.07	4.69	0.0	6.85	152.74	0.98	41.74
1.122	12.07	4.69	0.0	6.85	84.66	1.02	41.74
1.142	12.07	4.69	0.0	6.85	57.04	0.93	41.74
1.159	12.07	4.69	0.0	6.88	59.34	0.94	41.74
1.164	12.07	4.69	0.0	6.89	80.62	0.92	41.74
1.183	12.07	4.69	0.0	6.91	65.18	0.95	41.74
1.21	12.07	4.69	0.0	6.92	72.04	0.92	41.74
1.243	12.07	4.69	0.65	6.93	81.9	0.94	41.74
1.285	12.07	4.69	0.23	6.94	71.6	1.03	41.74
1.329	12.08	4.69	0.99	6.95	65.54	0.97	41.74
1.366	12.08	4.69	0.27	6.96	72.11	1.0	41.74
1.377	12.08	4.69	0.0	6.94	99.13	0.99	41.74
1.398	12.08	4.69	0.42	6.94	60.45	0.75	41.74
1.438	12.08	4.69	0.53	6.94	69.21	0.97	41.74
1.496	12.08	4.69	0.27	6.95	74.87	0.99	41.74
1.553	12.08	4.69	0.34	6.97	118.56	1.03	41.74
1.589	12.08	4.69	0.42	6.99	74.22	1.0	41.74

1.611	12.08	4.69	0.0	6.99	69.07	1.01	41.74
1.633	12.08	4.69	0.19	6.99	79.08	1.02	41.74
1.661	12.08	4.69	0.3	6.99	63.78	1.02	41.74
1.697	12.08	4.69	0.38	6.99	56.2	1.03	41.73
1.746	12.08	4.69	0.57	7.0	55.62	1.0	41.73
1.798	12.08	4.69	0.42	7.01	65.12	1.08	41.74
1.839	12.08	4.69	0.42	7.01	61.28	1.05	41.74
1.864	12.08	4.69	0.38	7.02	49.42	1.05	41.74
1.886	12.08	4.69	0.46	7.02	50.52	1.02	41.74
1.917	12.08	4.69	0.38	7.02	58.63	1.11	41.74
1.963	12.08	4.69	0.53	7.02	69.21	0.97	41.74
2.014	12.08	4.69	0.69	7.02	51.39	1.08	41.74
2.061	12.08	4.69	0.42	7.01	55.39	1.01	41.74
2.104	12.08	4.69	0.42	7.01	72.26	0.99	41.74
2.147	12.08	4.69	0.42	7.02	51.35	1.05	41.74
2.187	12.08	4.69	0.46	7.02	50.38	1.06	41.74
2.228	12.08	4.69	0.53	7.03	57.57	1.01	41.74
2.264	12.08	4.69	0.5	7.03	49.66	0.96	41.74
2.299	12.08	4.69	0.46	7.04	60.1	1.07	41.74
2.336	12.08	4.69	0.34	7.04	53.06	0.94	41.74
2.375	12.08	4.69	0.38	7.05	44.23	0.94	41.74
2.412	12.08	4.69	0.46	7.04	42.7	1.05	41.74
2.442	12.08	4.69	0.38	7.04	46.07	0.99	41.73
2.469	12.08	4.69	0.5	7.04	54.11	1.05	41.73
2.498	12.08	4.69	0.57	7.02	44.88	1.01	41.74
2.531	12.07	4.69	0.23	7.03	49.91	1.05	41.74
2.569	12.07	4.69	0.61	7.02	46.51	0.97	41.74
2.6	12.07	4.69	0.42	7.02	50.26	0.96	41.74
2.633	12.07	4.69	0.53	7.02	50.51	0.98	41.74
2.69	12.07	4.69	0.34	7.03	54.68	1.01	41.74
2.753	12.07	4.69	0.61	7.04	50.08	1.03	41.74
2.81	12.07	4.69	0.53	7.05	45.36	0.96	41.74
2.87	12.08	4.69	0.53	7.06	45.76	0.96	41.74
2.936	12.08	4.69	0.23	7.07	47.66	1.0	41.74
2.99	12.08	4.69	0.38	7.06	43.79	1.07	41.74
3.025	12.08	4.69	0.42	7.06	51.59	1.02	41.74
3.057	12.08	4.69	0.53	7.05	43.64	1.06	41.74
3.099	12.08	4.69	0.5	7.05	43.4	1.11	41.74
3.142	12.08	4.69	0.42	7.04	48.75	1.0	41.74
3.177	12.08	4.69	0.53	7.04	42.87	1.06	41.74
3.203	12.08	4.69	0.53	7.03	41.48	1.13	41.74
3.238	12.08	4.69	0.61	7.03	41.83	1.01	41.74
3.277	12.08	4.69	0.5	7.03	40.56	1.0	41.74
3.31	12.08	4.69	0.5	7.02	46.11	1.05	41.74
3.347	12.08	4.69	0.46	7.02	41.23	1.05	41.74
3.391	12.08	4.69	0.46	7.02	42.39	1.08	41.74
3.436	12.08	4.69	0.42	7.03	40.66	1.04	41.74
3.478	12.08	4.69	0.53	7.03	37.81	1.07	41.74
3.525	12.08	4.69	0.5	7.04	41.14	1.08	41.74
3.579	12.08	4.69	0.38	7.04	41.69	1.09	41.74
3.635	12.08	4.69	0.5	7.04	38.99	1.05	41.74
3.686	12.08	4.69	0.65	7.05	37.34	1.0	41.74
3.738	12.08	4.69	0.5	7.04	38.07	1.1	41.74
3.792	12.08	4.69	0.46	7.04	37.82	1.12	41.74
3.842	12.08	4.69	0.5	7.04	36.63	1.07	41.74
3.88	12.08	4.69	0.46	7.03	36.06	1.03	41.74
3.911	12.08	4.69	0.46	7.03	38.47	0.97	41.74
3.948	12.08	4.69	0.46	7.03	36.11	1.15	41.74

3.999	12.08	4.69	0.46	7.03	35.8	1.2	41.74
4.052	12.08	4.69	0.5	7.03	36.92	1.15	41.74
4.105	12.08	4.69	0.69	7.03	35.06	1.11	41.74
4.162	12.08	4.69	0.42	7.04	35.62	1.07	41.74
4.21	12.08	4.69	0.46	7.04	36.26	1.13	41.74
4.247	12.08	4.69	0.3	7.04	39.07	1.16	41.74
4.286	12.07	4.69	0.61	7.04	35.06	1.08	41.74
4.326	12.07	4.69	0.42	7.04	33.9	1.03	41.74
4.363	12.07	4.69	0.42	7.04	34.63	1.09	41.74
4.409	12.07	4.69	0.42	7.04	34.72	1.06	41.74
4.454	12.07	4.69	0.65	7.04	32.84	1.1	41.74
4.492	12.07	4.69	0.57	7.04	32.56	1.08	41.74
4.531	12.07	4.69	0.46	7.04	32.44	1.07	41.74
4.575	12.07	4.69	0.57	7.04	34.01	1.1	41.74
4.627	12.07	4.69	0.38	7.04	33.51	1.14	41.74
4.686	12.07	4.69	0.5	7.04	31.71	1.09	41.74
4.741	12.07	4.69	0.53	7.04	32.56	1.09	41.74
4.789	12.07	4.69	0.53	7.05	32.03	1.1	41.74
4.831	12.07	4.69	0.5	7.05	33.2	1.12	41.74
4.87	12.07	4.69	0.42	7.05	32.55	1.09	41.74
4.913	12.07	4.69	0.5	7.06	32.81	1.05	41.74
4.964	12.07	4.69	0.5	7.06	31.2	1.08	41.74
5.018	12.07	4.69	0.53	7.06	30.28	1.01	41.74
5.072	12.07	4.69	0.57	7.07	29.67	1.12	41.74
5.136	12.07	4.69	0.53	7.07	31.97	1.02	41.74
5.202	12.07	4.69	0.53	7.07	30.36	1.08	41.74
5.26	12.07	4.69	0.46	7.06	28.7	1.16	41.74
5.311	12.07	4.69	0.46	7.06	28.71	1.14	41.74
5.367	12.07	4.69	0.5	7.06	28.86	1.06	41.74
5.423	12.07	4.69	0.69	7.06	28.67	1.09	41.74
5.47	12.08	4.69	0.38	7.06	28.4	1.03	41.74
5.515	12.07	4.69	0.42	7.07	27.08	1.14	41.74
5.566	12.07	4.69	0.34	7.07	26.59	1.11	41.74
5.601	12.07	4.69	0.53	7.07	27.78	1.09	41.74
5.613	12.07	4.69	0.53	7.07	27.55	1.18	41.74
5.616	12.08	4.69	0.42	7.06	27.04	1.08	41.74
5.622	12.08	4.69	0.38	7.05	27.36	1.16	41.74
5.625	12.08	4.69	0.5	7.04	27.07	1.16	41.74
5.626	12.07	4.69	0.42	7.03	27.22	1.11	41.74



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	7.54	1.29	0.0	6.52	36.16	0.09	11.42
PROF (metros)	0.163	0.39	0.39	1.1	6.195	0.39	0.39
MÁXIMO	11.95	11.95	0.92	8.96	1994.5	1.02	41.82
PROF (metros)	6.014	0.508	1.644	0.39	0.598	5.588	4.267

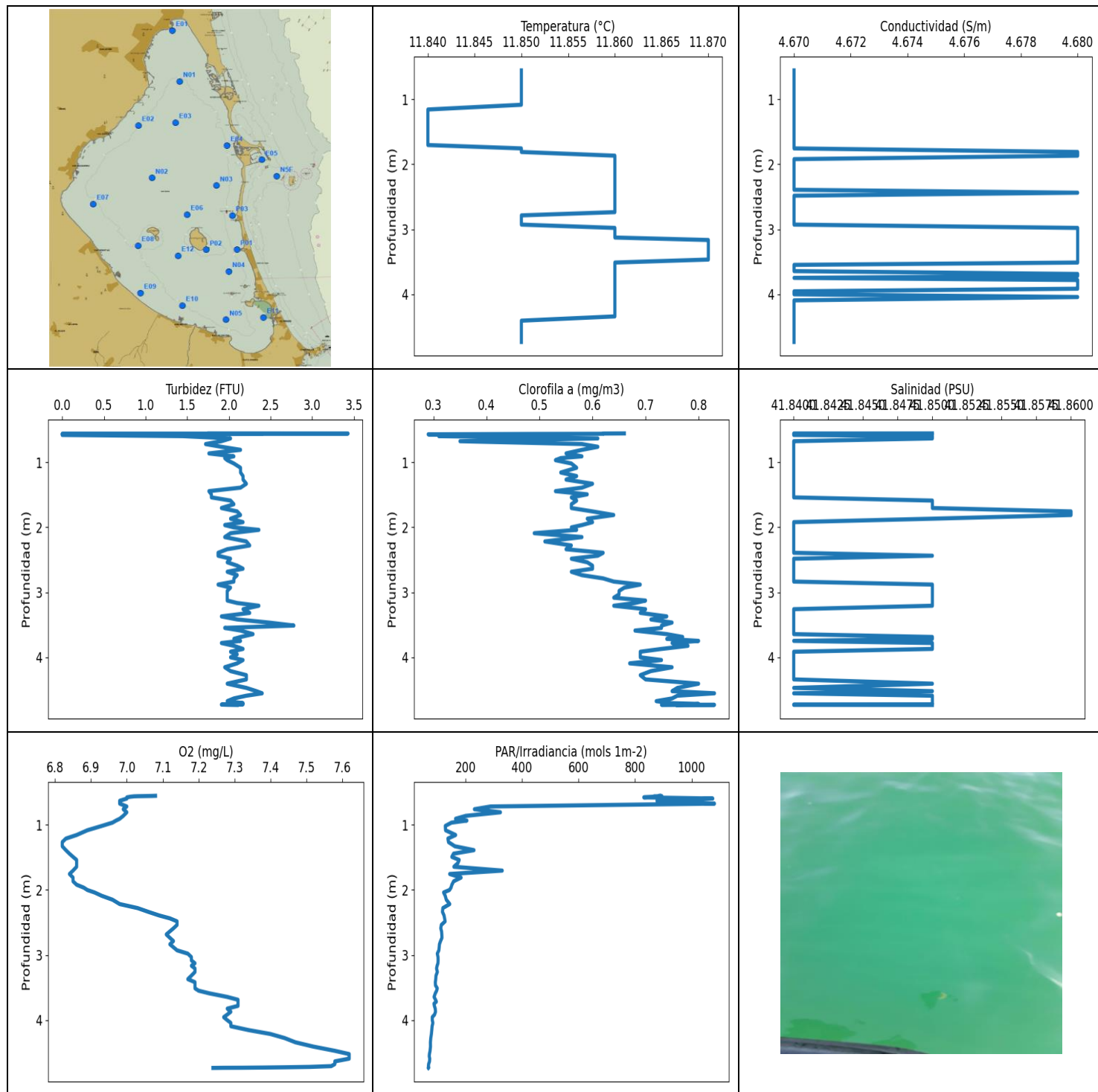
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N02 - Punto 005	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.21	4.3	0.17	6.98	1683.82	0.71	38.57
1 - 2m	11.94	4.68	0.65	6.61	102.77	0.8	41.81
2 - 3m	11.94	4.68	0.67	6.71	84.33	0.86	41.81
3 - 4m	11.94	4.68	0.58	6.7	65.19	0.9	41.81
4 - 5m	11.94	4.68	0.6	6.71	52.75	0.91	41.81
5 - 6m	11.94	4.68	0.6	6.7	43.16	0.93	41.81
6 - 7m	11.95	4.68	0.59	6.69	36.56	0.89	41.81

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.163	7.54	2.42	0.23	8.85	1595.9	0.15	22.74
0.175	7.54	2.35	0.23	8.88	1697.0	0.12	22.01
0.39	7.55	1.29	0.0	8.96	1639.4	0.09	11.42
0.508	11.94	4.68	0.15	6.61	1897.6	0.92	41.81
0.511	11.94	4.68	0.15	6.6	1900.2	0.91	41.81
0.54	11.94	4.68	0.04	6.59	1771.0	0.86	41.81
0.543	11.94	4.68	0.0	6.59	1830.6	0.89	41.81
0.55	11.94	4.68	0.11	6.59	1900.2	0.88	41.81
0.564	11.94	4.68	0.11	6.59	1777.5	0.88	41.81
0.567	11.94	4.68	0.15	6.6	1892.3	0.87	41.81
0.576	11.94	4.68	0.19	6.6	1771.0	0.91	41.81
0.597	11.94	4.68	0.0	6.6	1672.0	0.76	41.81
0.598	11.94	4.68	0.04	6.6	1994.5	0.51	41.81
0.619	11.94	4.68	0.19	6.61	1828.5	0.62	41.81
0.647	11.94	4.68	0.0	6.64	1880.1	0.85	41.81
0.709	11.94	4.68	0.38	6.65	180.18	0.85	41.81
0.785	11.94	4.68	0.0	6.64	187.21	0.87	41.81
0.837	11.94	4.68	0.0	6.64	194.82	0.57	41.81
0.888	11.94	4.68	0.0	6.63	117.05	0.22	41.81
0.93	11.94	4.68	0.0	6.6	213.45	0.57	41.81
0.94	11.94	4.68	0.0	6.58	122.83	0.81	41.81
0.943	11.94	4.68	0.0	6.56	145.18	0.83	41.81
0.965	11.94	4.68	0.0	6.54	121.9	0.79	41.81
1.021	11.94	4.68	0.0	6.53	98.95	0.78	41.81
1.1	11.94	4.68	0.0	6.52	111.49	0.75	41.81
1.157	11.94	4.68	0.0	6.52	215.49	0.78	41.81
1.163	11.94	4.68	0.0	6.53	135.05	0.87	41.81
1.216	11.94	4.68	0.0	6.54	102.64	0.88	41.81
1.36	11.94	4.68	0.3	6.53	83.9	0.84	41.81
1.389	11.94	4.68	0.88	6.54	111.85	0.79	41.81
1.422	11.94	4.68	0.8	6.55	115.12	0.77	41.81
1.489	11.94	4.68	0.08	6.56	168.94	0.8	41.81
1.644	11.94	4.68	0.92	6.59	74.27	0.85	41.81
1.686	11.94	4.68	0.46	6.6	89.33	0.84	41.81
1.708	11.94	4.68	0.84	6.61	121.03	0.78	41.81

1.741	11.94	4.68	0.46	6.63	120.22	0.78	41.81
1.793	11.94	4.68	0.8	6.64	114.58	0.72	41.81
1.851	11.94	4.68	0.72	6.65	89.15	0.81	41.81
1.908	11.94	4.68	0.76	6.66	79.3	0.77	41.81
1.95	11.94	4.68	0.72	6.66	95.35	0.81	41.81
1.984	11.94	4.68	0.72	6.67	73.02	0.8	41.81
2.03	11.94	4.68	0.88	6.67	93.75	0.79	41.81
2.091	11.94	4.68	0.57	6.68	103.33	0.83	41.81
2.149	11.94	4.68	0.61	6.68	81.16	0.84	41.81
2.194	11.94	4.68	0.76	6.7	85.52	0.88	41.81
2.231	11.94	4.68	0.69	6.69	115.54	0.86	41.81
2.277	11.94	4.68	0.72	6.7	116.57	0.87	41.81
2.341	11.94	4.68	0.61	6.73	84.42	0.87	41.81
2.408	11.94	4.68	0.69	6.74	90.0	0.84	41.81
2.465	11.94	4.68	0.57	6.73	81.1	0.87	41.81
2.507	11.94	4.68	0.65	6.73	82.16	0.84	41.81
2.538	11.94	4.68	0.53	6.71	72.04	0.85	41.81
2.572	11.94	4.68	0.53	6.71	68.61	0.9	41.81
2.616	11.94	4.68	0.65	6.71	89.13	0.85	41.81
2.667	11.94	4.68	0.53	6.7	86.26	0.9	41.81
2.715	11.94	4.68	0.8	6.7	77.48	0.89	41.81
2.753	11.94	4.68	0.69	6.7	75.67	0.86	41.81
2.8	11.94	4.68	0.72	6.71	62.9	0.89	41.81
2.868	11.94	4.68	0.8	6.72	63.08	0.89	41.81
2.946	11.94	4.68	0.65	6.72	73.6	0.91	41.81
3.023	11.94	4.68	0.5	6.73	69.57	0.88	41.81
3.075	11.94	4.68	0.65	6.72	67.25	0.88	41.81
3.099	11.94	4.68	0.5	6.71	67.0	0.91	41.81
3.111	11.94	4.68	0.69	6.7	69.37	0.89	41.81
3.128	11.94	4.68	0.53	6.69	69.25	0.89	41.81
3.145	11.93	4.68	0.61	6.68	68.69	0.94	41.81
3.147	11.93	4.68	0.61	6.66	73.67	0.83	41.81
3.152	11.93	4.68	0.69	6.67	71.6	0.85	41.81
3.172	11.93	4.68	0.57	6.67	64.46	0.87	41.81
3.195	11.93	4.68	0.42	6.68	67.99	0.87	41.81
3.2	11.93	4.68	0.65	6.68	72.45	0.84	41.81
3.213	11.93	4.68	0.57	6.68	71.81	0.88	41.81
3.249	11.94	4.68	0.61	6.7	67.96	0.94	41.81
3.294	11.94	4.68	0.53	6.7	58.6	0.91	41.81
3.332	11.94	4.68	0.53	6.7	65.45	0.88	41.81
3.38	11.94	4.68	0.5	6.7	67.66	0.89	41.81
3.45	11.94	4.68	0.61	6.71	66.23	0.91	41.81
3.538	11.94	4.68	0.65	6.72	62.04	0.98	41.81
3.625	11.94	4.68	0.53	6.72	60.48	0.95	41.81
3.687	11.94	4.68	0.53	6.72	59.18	0.92	41.81
3.718	11.94	4.68	0.61	6.72	60.82	0.91	41.81
3.756	11.94	4.68	0.65	6.72	60.87	0.89	41.81
3.824	11.94	4.68	0.5	6.71	58.21	0.88	41.81
3.916	11.94	4.68	0.72	6.71	56.12	0.92	41.81
3.985	11.94	4.68	0.57	6.71	52.96	0.87	41.81
4.023	11.94	4.68	0.57	6.71	54.05	0.87	41.81
4.059	11.94	4.68	0.57	6.71	58.81	0.9	41.81
4.116	11.94	4.68	0.69	6.71	60.23	0.92	41.81
4.19	11.94	4.68	0.61	6.71	55.75	0.89	41.81
4.267	11.94	4.68	0.69	6.71	54.77	0.94	41.82
4.337	11.94	4.68	0.5	6.7	53.09	0.95	41.81
4.406	11.94	4.68	0.65	6.7	55.05	0.93	41.81
4.471	11.94	4.68	0.76	6.71	54.65	0.96	41.81

4.526	11.94	4.68	0.57	6.71	53.54	0.88	41.81
4.578	11.94	4.68	0.65	6.71	52.01	0.92	41.81
4.638	11.94	4.68	0.76	6.71	50.72	0.85	41.81
4.712	11.94	4.68	0.53	6.71	49.23	0.86	41.81
4.78	11.94	4.68	0.46	6.71	50.01	0.9	41.81
4.831	11.94	4.68	0.57	6.71	48.84	0.9	41.81
4.873	11.94	4.68	0.57	6.7	49.7	0.94	41.81
4.917	11.94	4.68	0.46	6.71	48.62	0.86	41.81
4.964	11.94	4.68	0.65	6.7	47.66	0.95	41.81
5.012	11.94	4.68	0.69	6.7	46.34	0.95	41.81
5.061	11.94	4.68	0.69	6.7	47.49	0.97	41.81
5.103	11.94	4.68	0.61	6.7	47.03	0.96	41.81
5.141	11.94	4.68	0.53	6.7	46.65	0.93	41.81
5.183	11.94	4.68	0.61	6.69	45.59	0.94	41.81
5.246	11.94	4.68	0.57	6.7	45.07	0.92	41.81
5.322	11.94	4.68	0.84	6.7	44.12	0.92	41.81
5.393	11.94	4.68	0.5	6.7	44.46	0.89	41.81
5.452	11.94	4.68	0.72	6.7	43.04	0.96	41.81
5.512	11.94	4.68	0.42	6.7	42.0	0.89	41.81
5.588	11.94	4.68	0.69	6.71	41.43	1.02	41.82
5.669	11.94	4.68	0.5	6.71	40.54	0.97	41.81
5.737	11.94	4.68	0.53	6.71	39.56	1.01	41.81
5.769	11.94	4.68	0.46	6.7	40.95	0.93	41.82
5.783	11.94	4.68	0.61	6.69	41.01	0.9	41.81
5.826	11.94	4.68	0.69	6.69	39.9	0.95	41.81
5.911	11.94	4.68	0.61	6.69	38.52	0.76	41.81
6.014	11.95	4.68	0.8	6.69	37.28	0.89	41.81
6.099	11.95	4.68	0.72	6.69	36.96	0.94	41.81
6.152	11.94	4.68	0.5	6.69	36.9	0.93	41.81
6.176	11.95	4.68	0.57	6.69	36.56	0.9	41.81
6.186	11.95	4.68	0.46	6.7	36.21	0.95	41.81
6.192	11.95	4.68	0.61	6.7	36.39	0.91	41.81
6.195	11.95	4.68	0.57	6.69	36.16	0.86	41.81
6.196	11.94	4.68	0.57	6.68	36.3	0.82	41.81
6.197	11.94	4.68	0.53	6.67	36.32	0.83	41.81



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.84	4.67	0.0	6.82	68.7	0.29	41.84
PROF (metros)	1.156	0.554	0.559	1.265	4.732	0.568	0.556
MÁXIMO	11.87	11.87	3.43	7.62	1080.4	0.83	41.86
PROF (metros)	3.165	1.81	0.556	4.522	0.674	4.555	1.755

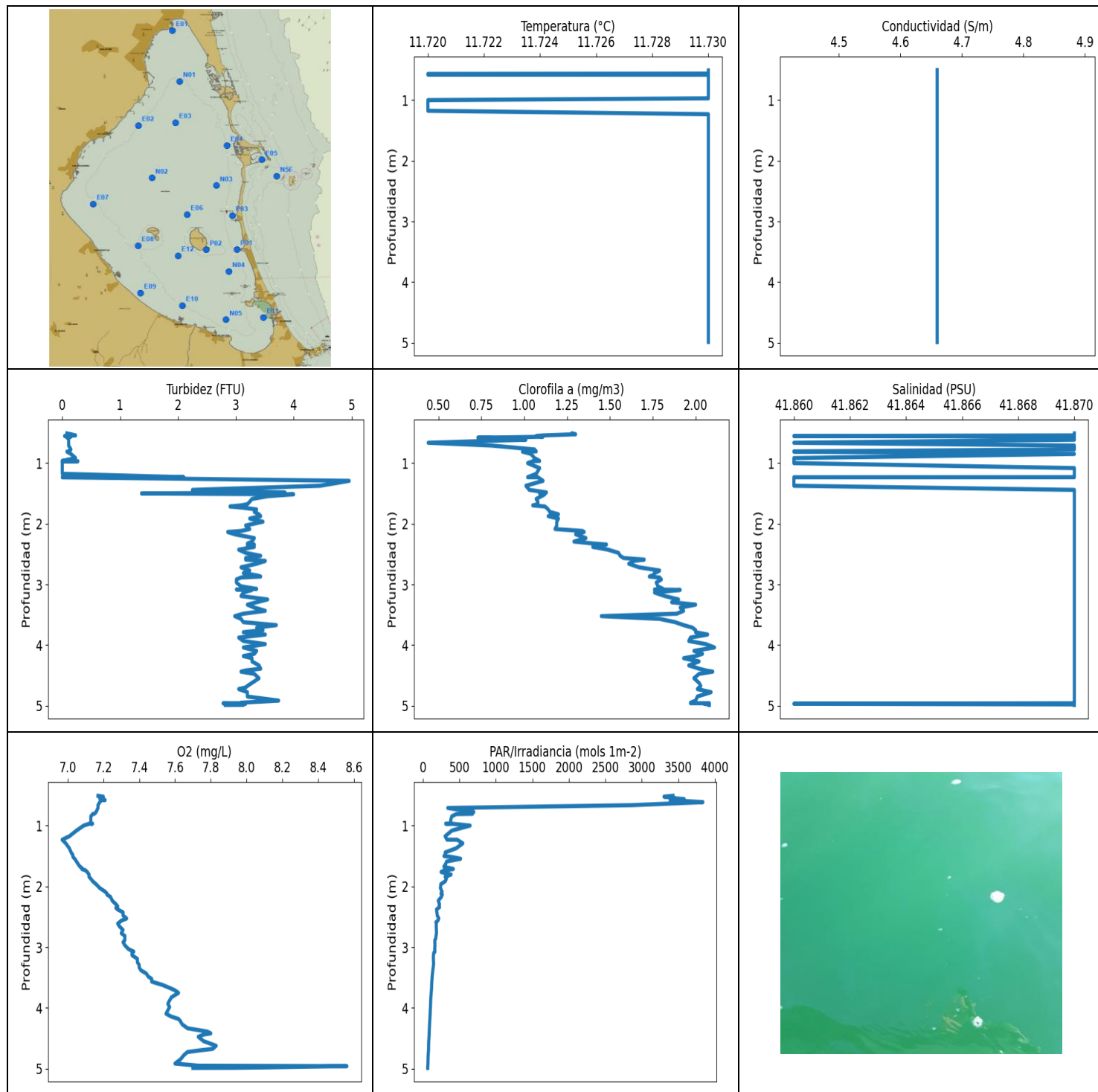
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E07 - Punto 006	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.85	4.67	2.0	7.0	580.87	0.54	41.84
1 - 2m	11.84	4.67	2.04	6.85	168.9	0.57	41.85
2 - 3m	11.86	4.67	2.05	7.07	120.4	0.59	41.84
3 - 4m	11.86	4.68	2.14	7.23	95.83	0.71	41.84
4 - 5m	11.86	4.67	2.11	7.45	74.71	0.75	41.84

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.554	11.85	4.67	1.76	7.08	886.83	0.66	41.85
0.556	11.85	4.67	3.43	7.07	883.75	0.62	41.84
0.559	11.85	4.67	0.0	7.04	894.47	0.62	41.85
0.56	11.85	4.67	1.56	7.03	893.43	0.61	41.85
0.562	11.85	4.67	2.4	7.02	867.12	0.49	41.85
0.568	11.85	4.67	0.0	7.01	864.91	0.29	41.84
0.578	11.85	4.67	0.0	7.0	830.53	0.49	41.84
0.596	11.85	4.67	1.45	7.0	1074.4	0.31	41.85
0.631	11.85	4.67	2.02	6.98	877.22	0.61	41.85
0.674	11.85	4.67	1.91	6.98	1080.4	0.35	41.84
0.718	11.85	4.67	1.72	7.0	289.37	0.58	41.84
0.76	11.85	4.67	1.91	6.99	231.97	0.61	41.84
0.807	11.85	4.67	2.14	7.0	324.03	0.58	41.84
0.862	11.85	4.67	1.76	6.99	201.57	0.55	41.84
0.907	11.85	4.67	2.06	6.98	165.37	0.58	41.84
0.934	11.85	4.67	1.95	6.97	205.63	0.54	41.84
0.966	11.85	4.67	1.98	6.96	151.12	0.53	41.84
1.017	11.85	4.67	2.06	6.93	129.17	0.56	41.84
1.083	11.85	4.67	2.14	6.89	130.07	0.57	41.84
1.156	11.84	4.67	2.14	6.86	165.76	0.54	41.84
1.211	11.84	4.67	2.17	6.83	138.34	0.57	41.84
1.265	11.84	4.67	2.17	6.82	140.51	0.55	41.84
1.329	11.84	4.67	2.21	6.82	162.94	0.6	41.84
1.389	11.84	4.67	2.14	6.83	230.63	0.58	41.84
1.443	11.84	4.67	1.76	6.84	158.36	0.53	41.84
1.492	11.84	4.67	1.79	6.85	152.28	0.59	41.84
1.539	11.84	4.67	1.79	6.86	178.27	0.56	41.84
1.588	11.84	4.67	2.02	6.86	173.66	0.57	41.85
1.644	11.84	4.67	2.06	6.86	159.54	0.56	41.85
1.703	11.84	4.67	1.91	6.85	330.4	0.56	41.85
1.755	11.85	4.67	2.1	6.84	144.64	0.6	41.86
1.81	11.85	4.68	2.14	6.85	185.09	0.64	41.86
1.867	11.86	4.68	2.02	6.85	158.8	0.59	41.85
1.92	11.86	4.67	2.17	6.86	152.45	0.6	41.84
1.965	11.86	4.67	1.95	6.88	149.37	0.58	41.84
2.001	11.86	4.67	2.06	6.89	143.97	0.56	41.84
2.039	11.86	4.67	2.36	6.91	123.26	0.57	41.84

2.09	11.86	4.67	2.02	6.93	128.9	0.49	41.84
2.15	11.86	4.67	1.95	6.96	132.72	0.58	41.84
2.217	11.86	4.67	2.21	6.98	144.94	0.51	41.84
2.279	11.86	4.67	2.25	7.03	120.55	0.56	41.84
2.337	11.86	4.67	1.98	7.06	119.16	0.55	41.84
2.392	11.86	4.67	1.87	7.09	124.73	0.62	41.84
2.437	11.86	4.68	1.87	7.12	126.71	0.61	41.85
2.483	11.86	4.67	2.02	7.14	128.54	0.56	41.84
2.538	11.86	4.67	1.98	7.14	115.14	0.59	41.84
2.59	11.86	4.67	2.1	7.13	113.21	0.6	41.84
2.637	11.86	4.67	2.17	7.12	116.03	0.6	41.84
2.684	11.86	4.67	1.98	7.11	116.84	0.56	41.84
2.736	11.86	4.67	2.1	7.12	117.35	0.58	41.84
2.786	11.85	4.67	2.06	7.13	112.43	0.62	41.84
2.835	11.85	4.67	2.06	7.12	108.46	0.64	41.84
2.881	11.85	4.67	1.87	7.13	107.63	0.69	41.85
2.928	11.85	4.67	2.02	7.14	106.47	0.66	41.85
2.979	11.86	4.68	1.98	7.17	100.96	0.65	41.85
3.032	11.86	4.68	1.98	7.18	103.55	0.65	41.85
3.083	11.86	4.68	1.98	7.18	103.79	0.64	41.85
3.127	11.86	4.68	1.98	7.19	103.24	0.7	41.85
3.165	11.87	4.68	2.1	7.18	100.26	0.68	41.85
3.207	11.87	4.68	2.36	7.19	98.26	0.64	41.85
3.26	11.87	4.68	2.17	7.19	101.17	0.7	41.84
3.317	11.87	4.68	2.25	7.18	96.3	0.69	41.84
3.371	11.87	4.68	1.91	7.17	95.43	0.74	41.84
3.418	11.87	4.68	2.1	7.19	93.98	0.71	41.84
3.466	11.87	4.68	2.48	7.19	94.49	0.75	41.84
3.512	11.86	4.68	2.78	7.19	100.89	0.73	41.84
3.548	11.86	4.67	1.95	7.2	98.54	0.73	41.84
3.589	11.86	4.67	2.14	7.23	93.81	0.68	41.84
3.644	11.86	4.67	2.29	7.28	89.52	0.74	41.84
3.688	11.86	4.68	2.14	7.31	94.71	0.77	41.85
3.717	11.86	4.68	2.06	7.31	97.67	0.74	41.85
3.748	11.86	4.67	2.14	7.31	89.17	0.8	41.84
3.781	11.86	4.68	1.91	7.31	90.65	0.75	41.85
3.824	11.86	4.68	2.06	7.28	93.68	0.78	41.85
3.872	11.86	4.68	2.17	7.29	94.64	0.73	41.85
3.915	11.86	4.68	2.02	7.28	91.28	0.69	41.84
3.955	11.86	4.67	2.1	7.27	83.18	0.69	41.84
4.001	11.86	4.67	2.02	7.28	83.24	0.69	41.84
4.043	11.86	4.68	2.17	7.29	85.35	0.73	41.84
4.094	11.86	4.67	2.1	7.29	82.6	0.67	41.84
4.154	11.86	4.67	1.95	7.34	81.44	0.75	41.84
4.213	11.86	4.67	2.02	7.4	80.13	0.71	41.84
4.276	11.86	4.67	2.21	7.44	77.88	0.69	41.84
4.341	11.86	4.67	2.21	7.47	76.61	0.7	41.84
4.407	11.85	4.67	1.98	7.52	76.84	0.8	41.85
4.472	11.85	4.67	2.21	7.58	75.36	0.76	41.84
4.522	11.85	4.67	2.33	7.62	73.12	0.75	41.85
4.555	11.85	4.67	2.4	7.62	72.51	0.83	41.84
4.592	11.85	4.67	2.21	7.62	74.16	0.76	41.85
4.634	11.85	4.67	2.06	7.58	73.48	0.75	41.85
4.676	11.85	4.67	1.98	7.58	70.28	0.72	41.85
4.707	11.85	4.67	2.17	7.57	69.52	0.75	41.85
4.719	11.85	4.67	2.06	7.51	70.26	0.8	41.85
4.725	11.85	4.67	2.17	7.44	70.05	0.79	41.85
4.729	11.85	4.67	1.91	7.38	69.52	0.77	41.84

4.732	11.85	4.67	1.98	7.32	68.7	0.73	41.84
4.733	11.85	4.67	2.02	7.27	68.72	0.83	41.84
4.735	11.85	4.67	2.1	7.24	69.13	0.76	41.85



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.72	4.66	0.0	6.97	65.03	0.44	41.86
PROF (metros)	0.572	0.514	0.967	1.235	4.984	0.668	0.557
MÁXIMO	11.73	11.73	4.96	8.56	3836.2	2.11	41.87
PROF (metros)	0.514	0.514	1.295	4.957	0.618	4.039	0.514

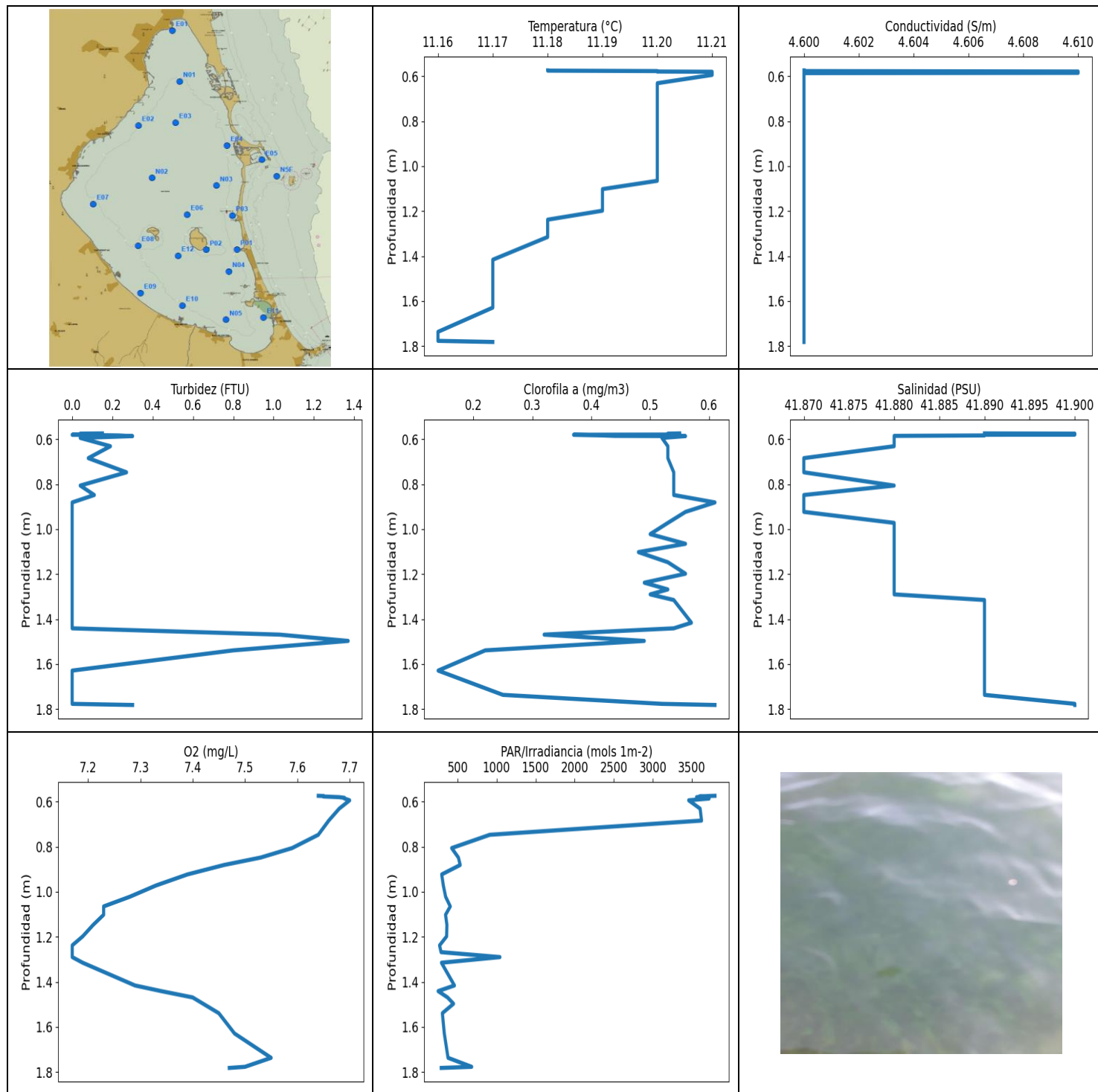
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E08 - Punto 007	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.73	4.66	0.13	7.17	2275.34	0.99	41.87
1 - 2m	11.73	4.66	3.28	7.07	347.54	1.11	41.87
2 - 3m	11.73	4.66	3.2	7.28	204.42	1.54	41.87
3 - 4m	11.73	4.66	3.26	7.47	130.87	1.89	41.87
4 - 5m	11.73	4.66	3.21	7.8	80.01	2.03	41.87

OBSERVACIONES GENERALES
CLOROFILA elevada en la(s) columna(s) de agua 4 - 5m con los valores 2.03 respectivamente

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.514	11.73	4.66	0.08	7.17	3426.0	1.28	41.87
0.528	11.73	4.66	0.15	7.2	3303.5	1.3	41.87
0.547	11.73	4.66	0.23	7.18	3446.7	1.11	41.87
0.557	11.73	4.66	0.04	7.18	3464.3	1.07	41.86
0.567	11.73	4.66	0.15	7.19	3579.4	1.11	41.87
0.572	11.72	4.66	0.08	7.19	3429.9	1.04	41.87
0.578	11.72	4.66	0.08	7.2	3526.7	0.92	41.87
0.584	11.72	4.66	0.08	7.21	3428.3	0.73	41.87
0.585	11.73	4.66	0.11	7.19	3388.1	0.78	41.87
0.618	11.73	4.66	0.11	7.18	3836.2	1.01	41.87
0.668	11.73	4.66	0.11	7.17	2863.3	0.44	41.86
0.714	11.73	4.66	0.11	7.17	341.53	0.81	41.87
0.778	11.73	4.66	0.15	7.16	698.17	1.06	41.87
0.81	11.73	4.66	0.11	7.15	677.92	1.07	41.86
0.814	11.73	4.66	0.08	7.14	458.0	0.99	41.86
0.852	11.73	4.66	0.15	7.13	395.41	1.04	41.87
0.92	11.73	4.66	0.23	7.13	380.04	1.06	41.86
0.967	11.73	4.66	0.0	7.13	385.1	1.09	41.86
0.972	11.73	4.66	0.27	7.14	312.66	1.05	41.86
0.974	11.73	4.66	0.0	7.12	405.34	1.05	41.86
1.003	11.72	4.66	0.0	7.09	646.91	1.02	41.86
1.085	11.72	4.66	0.0	7.05	397.8	1.09	41.87
1.179	11.72	4.66	0.0	7.01	304.72	1.07	41.87
1.235	11.73	4.66	2.1	6.97	331.39	1.02	41.87
1.236	11.73	4.66	0.0	6.97	470.48	1.08	41.86
1.295	11.73	4.66	4.96	6.99	547.23	1.11	41.86
1.376	11.73	4.66	4.46	7.01	456.3	1.01	41.86
1.444	11.73	4.66	2.25	7.02	306.35	1.03	41.87
1.486	11.73	4.66	3.85	7.03	307.63	1.13	41.87
1.503	11.73	4.66	1.37	7.03	289.04	1.09	41.87
1.517	11.73	4.66	4.0	7.03	383.85	1.12	41.87
1.548	11.73	4.66	3.55	7.04	517.38	1.1	41.87
1.593	11.73	4.66	3.28	7.05	325.68	1.07	41.87
1.64	11.73	4.66	3.24	7.06	309.35	1.08	41.87
1.679	11.73	4.66	3.2	7.07	287.7	1.08	41.87
1.699	11.73	4.66	3.09	7.08	356.74	1.05	41.87

1.717	11.73	4.66	2.9	7.08	417.64	1.12	41.87
1.738	11.73	4.66	3.13	7.1	297.05	1.13	41.87
1.766	11.73	4.66	3.36	7.11	249.31	1.14	41.87
1.807	11.73	4.66	3.32	7.12	386.62	1.15	41.87
1.846	11.73	4.66	3.4	7.12	305.22	1.2	41.87
1.876	11.73	4.66	3.43	7.13	322.38	1.14	41.87
1.916	11.73	4.66	3.24	7.14	308.35	1.2	41.87
1.968	11.73	4.66	3.47	7.16	245.69	1.19	41.87
2.03	11.73	4.66	3.17	7.18	240.12	1.19	41.87
2.089	11.73	4.66	3.24	7.21	262.47	1.18	41.87
2.12	11.73	4.66	3.09	7.22	247.64	1.34	41.87
2.137	11.73	4.66	2.86	7.22	266.33	1.35	41.87
2.175	11.73	4.66	2.98	7.24	252.97	1.3	41.87
2.238	11.73	4.66	3.32	7.25	211.04	1.36	41.87
2.295	11.73	4.66	3.28	7.27	228.02	1.29	41.87
2.329	11.73	4.66	3.2	7.28	222.34	1.41	41.87
2.344	11.73	4.66	3.32	7.28	228.61	1.48	41.87
2.354	11.73	4.66	3.2	7.27	215.54	1.44	41.87
2.382	11.73	4.66	3.32	7.28	186.95	1.4	41.87
2.429	11.73	4.66	3.05	7.31	192.31	1.49	41.87
2.481	11.73	4.66	3.17	7.31	197.23	1.55	41.87
2.53	11.73	4.66	3.43	7.33	218.2	1.56	41.87
2.566	11.73	4.66	3.17	7.3	204.92	1.58	41.87
2.592	11.73	4.66	3.17	7.29	178.81	1.7	41.87
2.613	11.73	4.66	3.51	7.28	184.45	1.64	41.87
2.66	11.73	4.66	3.36	7.29	183.26	1.61	41.87
2.719	11.73	4.66	3.09	7.31	185.26	1.67	41.87
2.772	11.73	4.66	3.24	7.3	186.56	1.79	41.87
2.816	11.73	4.66	3.13	7.32	180.22	1.76	41.87
2.851	11.73	4.66	3.36	7.32	177.36	1.75	41.87
2.871	11.73	4.66	3.43	7.32	171.42	1.73	41.87
2.887	11.73	4.66	3.09	7.32	163.66	1.79	41.87
2.919	11.73	4.66	3.01	7.31	163.89	1.8	41.87
2.97	11.73	4.66	3.01	7.32	165.22	1.77	41.87
3.032	11.73	4.66	3.09	7.34	162.45	1.78	41.87
3.075	11.73	4.66	3.36	7.37	164.57	1.81	41.87
3.084	11.73	4.66	3.01	7.36	160.24	1.76	41.87
3.091	11.73	4.66	3.28	7.36	150.28	1.91	41.87
3.134	11.73	4.66	3.13	7.36	144.44	1.76	41.87
3.192	11.73	4.66	3.09	7.39	143.77	1.82	41.87
3.248	11.73	4.66	3.55	7.39	145.92	1.9	41.87
3.294	11.73	4.66	3.36	7.4	146.05	1.86	41.87
3.334	11.73	4.66	3.2	7.4	141.36	2.0	41.87
3.382	11.73	4.66	3.32	7.41	135.99	1.91	41.87
3.435	11.73	4.66	3.51	7.44	131.5	1.93	41.87
3.483	11.73	4.66	3.13	7.45	127.42	1.89	41.87
3.523	11.73	4.66	2.98	7.47	125.39	1.45	41.87
3.568	11.73	4.66	3.09	7.47	122.38	1.79	41.87
3.622	11.73	4.66	3.13	7.53	120.08	1.88	41.87
3.671	11.73	4.66	3.7	7.57	119.41	1.93	41.87
3.711	11.73	4.66	3.36	7.6	116.95	1.98	41.87
3.753	11.73	4.66	3.47	7.62	113.68	2.0	41.87
3.788	11.73	4.66	3.13	7.6	112.06	2.0	41.87
3.826	11.73	4.66	3.51	7.58	109.34	2.07	41.87
3.876	11.73	4.66	3.05	7.57	107.01	1.97	41.87
3.932	11.73	4.66	3.13	7.56	105.75	1.96	41.87
3.984	11.73	4.66	3.51	7.57	103.91	2.06	41.87
4.039	11.73	4.66	3.13	7.56	101.55	2.11	41.87

4.095	11.73	4.66	3.36	7.55	99.55	1.99	41.87
4.143	11.73	4.66	3.32	7.58	97.47	2.04	41.87
4.181	11.73	4.66	3.13	7.62	95.61	2.0	41.87
4.216	11.73	4.66	3.28	7.63	94.01	1.93	41.87
4.269	11.73	4.66	3.28	7.64	92.02	2.02	41.87
4.334	11.73	4.66	3.4	7.67	89.29	1.96	41.87
4.388	11.73	4.66	3.43	7.78	87.35	2.02	41.87
4.418	11.73	4.66	3.17	7.8	86.8	2.06	41.87
4.437	11.73	4.66	3.09	7.76	86.22	2.1	41.87
4.474	11.73	4.66	3.32	7.73	84.54	2.02	41.87
4.546	11.73	4.66	3.4	7.76	80.1	1.99	41.87
4.622	11.73	4.66	3.28	7.83	78.21	2.02	41.87
4.673	11.73	4.66	3.2	7.81	77.88	2.03	41.87
4.697	11.73	4.66	3.17	7.74	77.18	2.02	41.87
4.724	11.73	4.66	3.05	7.67	75.25	2.01	41.87
4.775	11.73	4.66	3.2	7.65	72.56	2.09	41.87
4.847	11.73	4.66	3.2	7.63	70.59	2.01	41.87
4.914	11.73	4.66	3.74	7.6	69.44	2.0	41.87
4.949	11.73	4.66	3.09	7.73	68.46	1.97	41.87
4.957	11.73	4.66	3.17	8.56	67.66	1.97	41.87
4.958	11.73	4.66	2.78	8.47	67.18	2.08	41.87
4.966	11.73	4.66	3.17	8.32	65.7	2.05	41.86
4.976	11.73	4.66	3.13	8.13	65.38	2.07	41.87
4.984	11.73	4.66	3.13	7.93	65.03	2.08	41.87
4.986	11.73	4.66	2.82	7.7	65.36	2.08	41.87



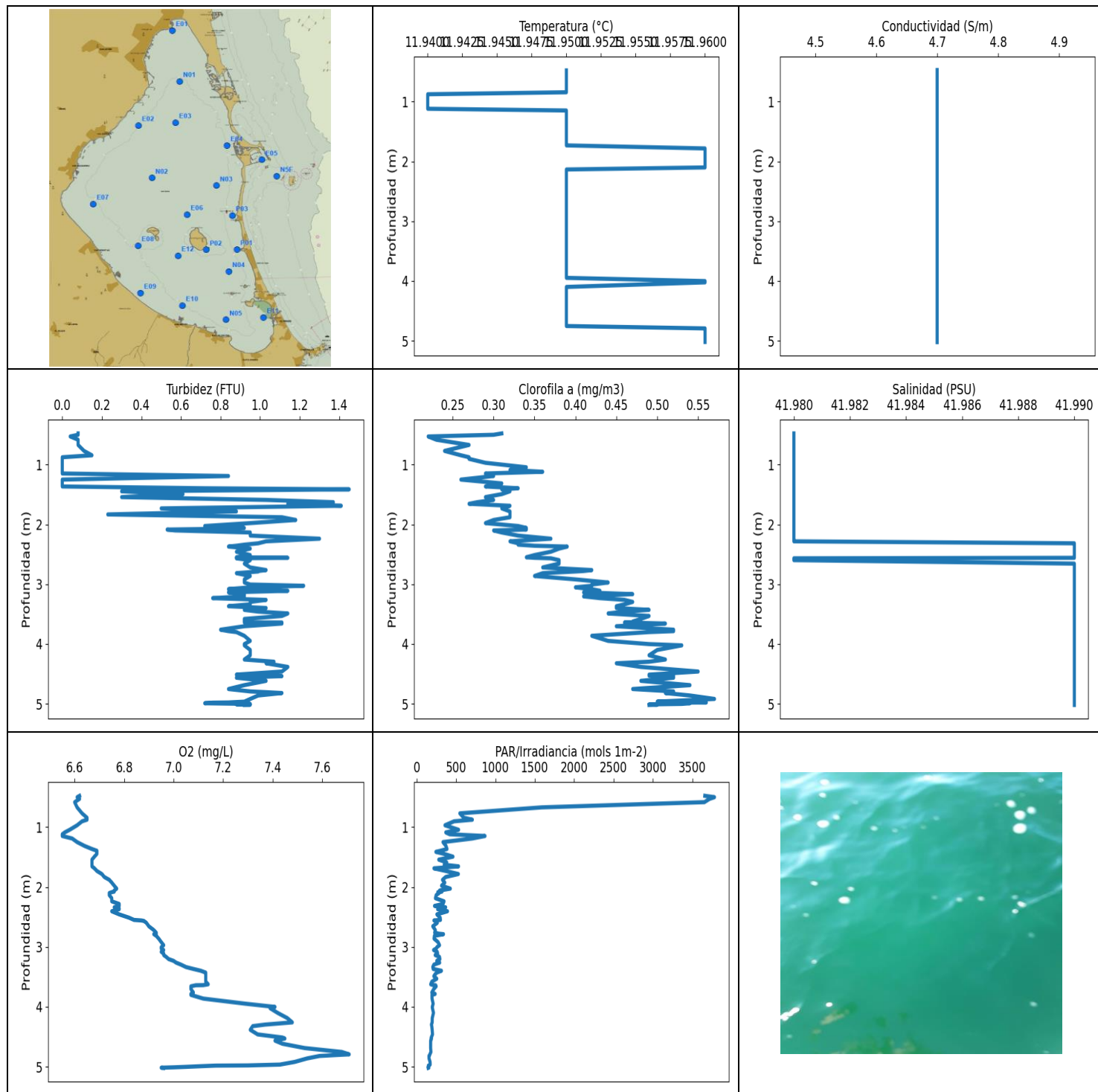
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.16	4.6	0.0	7.17	248.79	0.14	41.87
PROF (metros)	1.737	0.574	0.58	1.238	1.441	1.629	0.684
MÁXIMO	11.21	11.21	1.37	7.7	3798.2	0.61	41.9
PROF (metros)	0.58	0.579	1.497	0.594	0.574	0.881	0.575

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E09 - Punto 008	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.2	4.6	0.15	7.65	2947.08	0.52	41.88
1 - 2m	11.17	4.6	0.88	7.43	352.08	0.41	41.89

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.574	11.18	4.6	0.15	7.64	3798.2	0.55	41.89
0.575	11.18	4.6	0.04	7.65	3709.4	0.53	41.9
0.577	11.2	4.6	0.11	7.65	3598.5	0.55	41.89
0.579	11.2	4.61	0.11	7.67	3704.3	0.55	41.9
0.58	11.21	4.61	0.0	7.68	3562.0	0.37	41.89
0.583	11.21	4.61	0.23	7.69	3571.9	0.42	41.89
0.585	11.21	4.61	0.27	7.69	3670.1	0.44	41.88
0.586	11.21	4.6	0.3	7.69	3722.4	0.56	41.88
0.594	11.21	4.6	0.04	7.7	3461.1	0.52	41.88
0.631	11.2	4.6	0.19	7.68	3607.7	0.53	41.88
0.684	11.2	4.6	0.08	7.66	3626.1	0.53	41.87
0.747	11.2	4.6	0.27	7.64	911.0	0.54	41.87
0.806	11.2	4.6	0.04	7.59	422.51	0.54	41.88
0.848	11.2	4.6	0.11	7.53	508.82	0.54	41.87
0.881	11.2	4.6	0.0	7.46	531.85	0.61	41.87
0.923	11.2	4.6	0.0	7.39	294.65	0.56	41.87
0.972	11.2	4.6	0.0	7.33	315.65	0.53	41.88
1.022	11.2	4.6	0.0	7.28	345.03	0.5	41.88
1.065	11.2	4.6	0.0	7.23	404.59	0.56	41.88
1.102	11.19	4.6	0.0	7.23	344.31	0.48	41.88
1.147	11.19	4.6	0.0	7.21	361.4	0.53	41.88
1.198	11.19	4.6	0.0	7.19	357.73	0.56	41.88
1.238	11.18	4.6	0.0	7.17	267.44	0.49	41.88
1.268	11.18	4.6	0.0	7.17	286.77	0.53	41.88
1.29	11.18	4.6	0.0	7.17	1041.1	0.5	41.88
1.315	11.18	4.6	0.0	7.19	291.59	0.54	41.89
1.416	11.17	4.6	0.0	7.29	457.89	0.57	41.89
1.441	11.17	4.6	0.0	7.34	248.79	0.54	41.89
1.469	11.17	4.6	1.03	7.4	369.53	0.32	41.89
1.497	11.17	4.6	1.37	7.42	446.78	0.49	41.89
1.539	11.17	4.6	0.8	7.45	303.24	0.22	41.89
1.629	11.17	4.6	0.0	7.48	328.03	0.14	41.89
1.737	11.16	4.6	0.0	7.55	375.75	0.25	41.89
1.777	11.16	4.6	0.0	7.5	679.49	0.52	41.9
1.782	11.17	4.6	0.3	7.47	288.77	0.61	41.9



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.94	4.7	0.0	6.55	145.18	0.22	41.98
PROF (metros)	0.875	0.476	0.875	1.118	5.021	0.527	0.476
MÁXIMO	11.96	11.96	1.45	7.71	3783.2	0.57	41.99
PROF (metros)	1.782	0.476	1.412	4.794	0.499	4.92	2.315

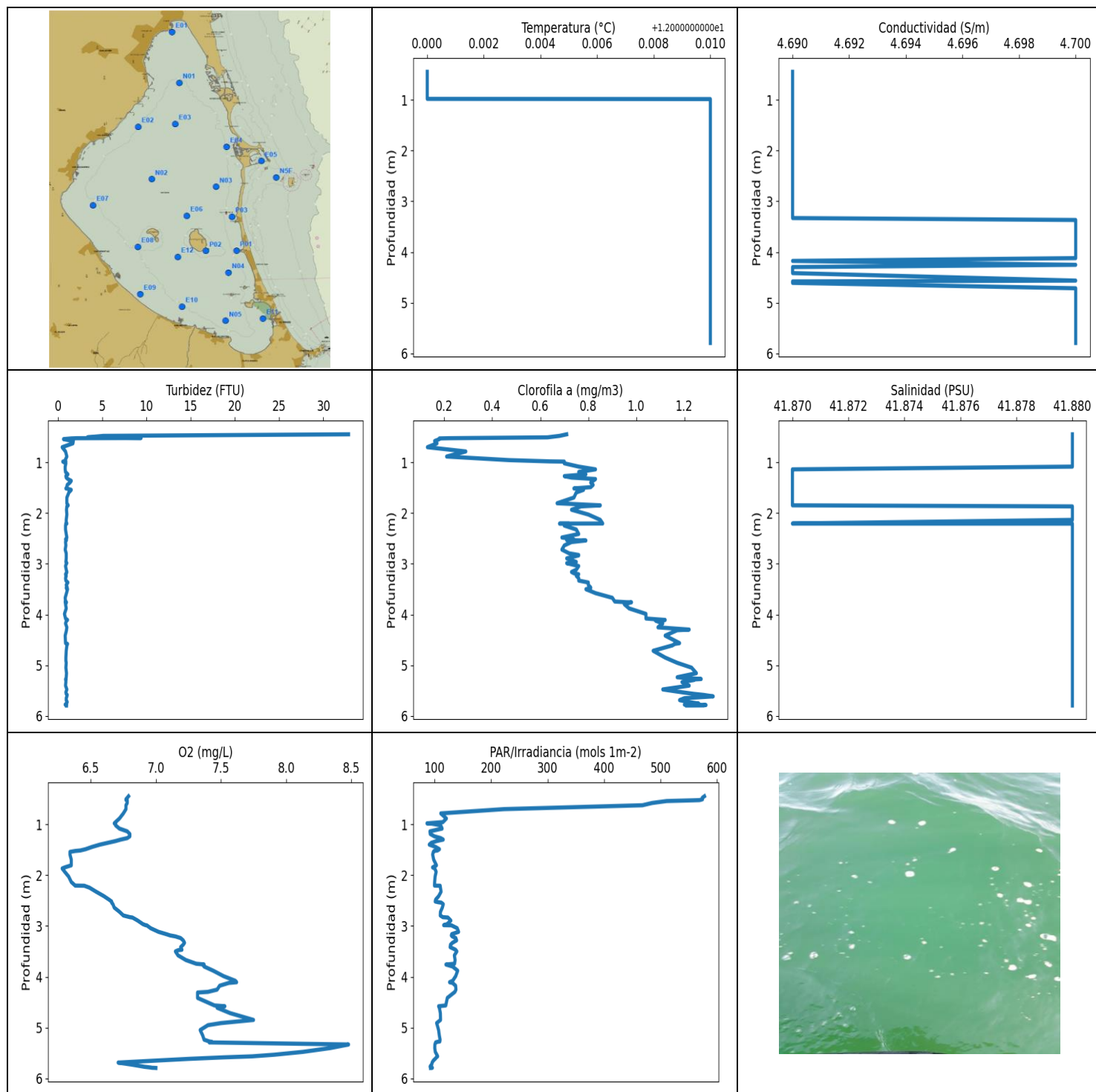
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E10 - Punto 009	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.95	4.7	0.09	6.62	2507.46	0.26	41.98
1 - 2m	11.95	4.7	0.88	6.69	379.82	0.31	41.98
2 - 3m	11.95	4.7	0.91	6.83	281.14	0.36	41.99
3 - 4m	11.95	4.7	0.96	7.06	234.95	0.46	41.99
4 - 5m	11.96	4.7	0.96	7.43	178.8	0.51	41.99
5 - 6m	11.96	4.7	0.93	6.99	150.5	0.5	41.99

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.476	11.95	4.7	0.08	6.62	3659.9	0.31	41.98
0.499	11.95	4.7	0.08	6.61	3783.2	0.3	41.98
0.527	11.95	4.7	0.04	6.62	3720.6	0.22	41.98
0.582	11.95	4.7	0.08	6.6	3654.8	0.23	41.98
0.669	11.95	4.7	0.08	6.61	1588.9	0.27	41.98
0.769	11.95	4.7	0.11	6.63	547.48	0.24	41.98
0.842	11.95	4.7	0.15	6.65	597.33	0.26	41.98
0.875	11.94	4.7	0.0	6.65	706.8	0.27	41.98
0.902	11.94	4.7	0.0	6.63	473.87	0.27	41.98
0.968	11.94	4.7	0.0	6.61	358.48	0.29	41.98
1.043	11.94	4.7	0.0	6.58	531.85	0.34	41.98
1.087	11.94	4.7	0.0	6.56	368.93	0.32	41.98
1.118	11.94	4.7	0.0	6.55	418.22	0.36	41.98
1.147	11.95	4.7	0.0	6.55	867.32	0.29	41.98
1.189	11.95	4.7	0.84	6.59	705.49	0.3	41.98
1.249	11.95	4.7	0.0	6.61	333.47	0.26	41.98
1.313	11.95	4.7	0.0	6.64	371.34	0.31	41.98
1.364	11.95	4.7	0.0	6.67	384.12	0.29	41.98
1.394	11.95	4.7	0.72	6.69	300.24	0.33	41.98
1.412	11.95	4.7	1.45	6.69	242.92	0.31	41.98
1.445	11.95	4.7	0.3	6.69	345.35	0.32	41.98
1.492	11.95	4.7	0.61	6.68	460.34	0.31	41.98
1.542	11.95	4.7	0.3	6.67	279.55	0.29	41.98
1.589	11.95	4.7	1.03	6.67	381.37	0.3	41.98
1.627	11.95	4.7	1.37	6.67	349.21	0.28	41.98
1.654	11.95	4.7	1.14	6.67	531.11	0.27	41.98
1.687	11.95	4.7	1.41	6.68	218.3	0.32	41.98
1.731	11.95	4.7	0.5	6.69	368.59	0.31	41.98
1.782	11.96	4.7	0.88	6.71	529.02	0.32	41.98
1.832	11.96	4.7	0.23	6.72	367.14	0.32	41.98
1.879	11.96	4.7	1.11	6.74	327.27	0.32	41.98
1.925	11.96	4.7	1.18	6.75	356.16	0.3	41.98
1.977	11.96	4.7	0.95	6.76	315.06	0.29	41.98
2.026	11.96	4.7	0.72	6.77	426.74	0.33	41.98
2.058	11.96	4.7	0.92	6.76	290.18	0.34	41.98
2.076	11.96	4.7	0.72	6.76	320.44	0.33	41.98

2.085	11.96	4.7	0.53	6.75	267.63	0.34	41.98
2.1	11.96	4.7	0.57	6.74	283.73	0.3	41.98
2.134	11.95	4.7	0.95	6.74	247.18	0.31	41.98
2.186	11.95	4.7	0.95	6.75	237.41	0.33	41.98
2.238	11.95	4.7	1.3	6.75	346.55	0.37	41.98
2.282	11.95	4.7	1.03	6.78	333.86	0.32	41.98
2.315	11.95	4.7	0.99	6.78	225.71	0.33	41.99
2.338	11.95	4.7	0.92	6.76	367.31	0.33	41.99
2.356	11.95	4.7	0.88	6.78	287.1	0.35	41.99
2.37	11.95	4.7	0.84	6.78	265.34	0.39	41.99
2.404	11.95	4.7	0.95	6.75	390.49	0.38	41.99
2.456	11.95	4.7	0.88	6.78	255.8	0.37	41.99
2.512	11.95	4.7	0.95	6.82	298.02	0.35	41.99
2.549	11.95	4.7	0.88	6.84	301.21	0.34	41.99
2.558	11.95	4.7	1.14	6.87	218.35	0.35	41.99
2.566	11.95	4.7	0.88	6.88	237.46	0.37	41.98
2.597	11.95	4.7	0.95	6.89	261.26	0.38	41.98
2.655	11.95	4.7	0.92	6.9	203.73	0.38	41.99
2.719	11.95	4.7	0.95	6.92	236.04	0.36	41.99
2.763	11.95	4.7	1.03	6.93	227.5	0.42	41.99
2.779	11.95	4.7	0.99	6.93	280.13	0.41	41.99
2.787	11.95	4.7	0.99	6.92	339.95	0.4	41.99
2.815	11.95	4.7	0.88	6.93	224.41	0.36	41.99
2.862	11.95	4.7	0.95	6.94	219.88	0.35	41.99
2.919	11.95	4.7	0.92	6.95	270.25	0.4	41.99
2.971	11.95	4.7	0.92	6.96	289.44	0.44	41.99
3.005	11.95	4.7	0.95	6.95	256.1	0.42	41.99
3.026	11.95	4.7	1.22	6.95	247.58	0.42	41.99
3.052	11.95	4.7	0.95	6.96	213.99	0.4	41.99
3.082	11.95	4.7	0.84	6.95	260.17	0.42	41.99
3.11	11.95	4.7	1.14	6.96	265.41	0.43	41.99
3.136	11.95	4.7	0.84	6.96	234.29	0.41	41.99
3.166	11.95	4.7	0.92	6.97	288.9	0.47	41.99
3.203	11.95	4.7	0.92	6.98	294.04	0.41	41.99
3.233	11.95	4.7	0.76	7.0	254.15	0.43	41.99
3.262	11.95	4.7	1.03	7.01	291.32	0.46	41.99
3.296	11.95	4.7	0.95	7.03	217.34	0.47	41.99
3.336	11.95	4.7	0.95	7.05	203.59	0.46	41.99
3.368	11.95	4.7	0.84	7.08	208.61	0.45	41.99
3.398	11.95	4.7	1.03	7.11	314.04	0.45	41.99
3.429	11.95	4.7	0.92	7.13	254.86	0.49	41.99
3.458	11.95	4.7	0.99	7.13	232.45	0.46	41.99
3.489	11.95	4.7	1.14	7.13	216.69	0.44	41.99
3.531	11.95	4.7	1.11	7.13	254.62	0.49	41.99
3.581	11.95	4.7	0.92	7.13	191.42	0.48	41.99
3.624	11.95	4.7	0.92	7.14	177.12	0.47	41.99
3.638	11.95	4.7	0.92	7.12	211.04	0.48	41.99
3.64	11.95	4.7	1.11	7.09	240.45	0.46	41.99
3.658	11.95	4.7	1.11	7.07	246.61	0.51	41.99
3.703	11.95	4.7	0.92	7.07	216.79	0.45	41.99
3.761	11.95	4.7	0.8	7.08	191.33	0.52	41.99
3.785	11.95	4.7	0.84	7.07	234.18	0.52	41.99
3.801	11.95	4.7	0.88	7.07	193.65	0.49	41.99
3.863	11.95	4.7	0.92	7.12	194.28	0.42	41.99
3.948	11.95	4.7	0.95	7.29	208.46	0.44	41.99
4.002	11.96	4.7	0.92	7.41	197.18	0.49	41.99
4.023	11.96	4.7	0.92	7.39	198.97	0.53	41.99
4.1	11.95	4.7	0.95	7.42	212.66	0.5	41.99

4.189	11.95	4.7	0.95	7.46	196.82	0.49	41.99
4.26	11.95	4.7	0.92	7.48	196.18	0.51	41.99
4.297	11.95	4.7	1.07	7.37	186.43	0.49	41.99
4.323	11.95	4.7	1.03	7.32	190.93	0.45	41.99
4.384	11.95	4.7	1.14	7.31	195.95	0.48	41.99
4.461	11.95	4.7	1.11	7.34	200.31	0.55	41.99
4.513	11.95	4.7	0.88	7.44	184.45	0.49	41.99
4.53	11.95	4.7	0.99	7.45	181.4	0.49	41.99
4.538	11.95	4.7	1.11	7.44	186.25	0.52	41.99
4.565	11.95	4.7	0.88	7.41	176.5	0.52	41.99
4.617	11.95	4.7	1.03	7.44	176.42	0.48	41.99
4.689	11.95	4.7	0.92	7.53	176.18	0.54	41.99
4.754	11.95	4.7	0.84	7.68	180.06	0.47	41.99
4.794	11.96	4.7	0.95	7.71	166.91	0.52	41.99
4.807	11.96	4.7	1.03	7.65	163.89	0.52	41.99
4.821	11.96	4.7	1.11	7.59	155.23	0.51	41.99
4.862	11.96	4.7	0.99	7.54	155.96	0.54	41.99
4.92	11.96	4.7	0.95	7.49	169.09	0.57	41.99
4.965	11.96	4.7	0.92	7.43	170.55	0.5	41.99
4.979	11.96	4.7	0.84	7.3	155.41	0.56	41.99
4.982	11.96	4.7	0.76	7.17	146.97	0.53	41.99
4.992	11.96	4.7	0.72	7.11	149.24	0.54	41.99
5.003	11.96	4.7	0.95	7.05	153.77	0.53	41.99
5.011	11.96	4.7	0.88	7.0	149.37	0.49	41.99
5.017	11.96	4.7	0.95	6.95	153.66	0.5	41.99
5.021	11.96	4.7	0.92	6.96	145.18	0.49	41.99



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.0	4.69	0.46	6.28	86.54	0.13	41.87
PROF (metros)	0.448	0.448	0.702	1.869	0.982	0.702	1.139
MÁXIMO	12.01	12.01	32.85	8.48	577.86	1.32	41.88
PROF (metros)	0.986	3.369	0.448	5.332	0.448	5.614	0.448

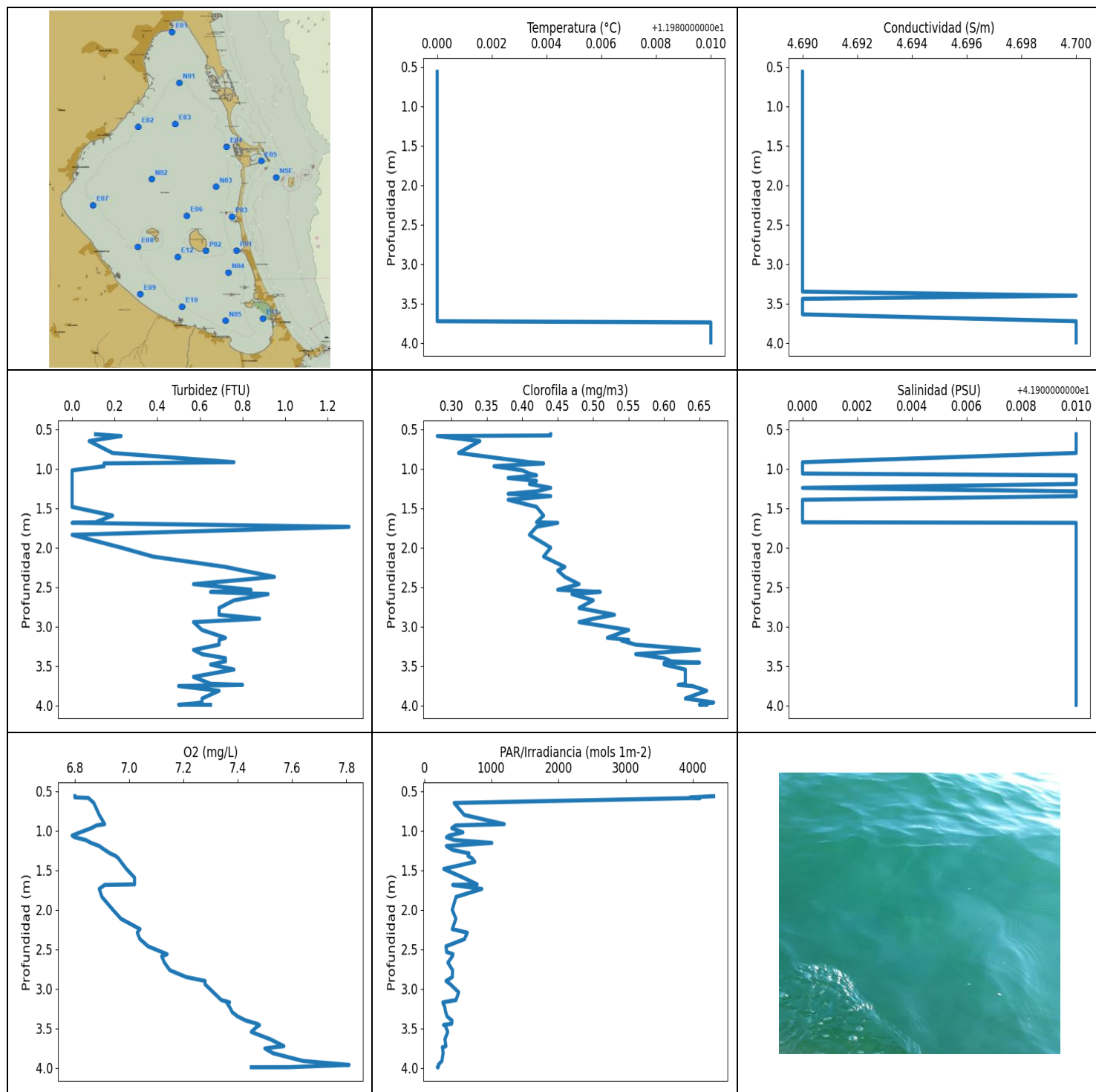
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N05 - Punto 010	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.0	4.69	4.18	6.75	375.79	0.38	41.88
1 - 2m	12.01	4.69	1.05	6.53	101.54	0.77	41.87
2 - 3m	12.01	4.69	0.91	6.65	111.37	0.74	41.88
3 - 4m	12.01	4.69	0.91	7.22	133.83	0.84	41.88
4 - 5m	12.01	4.7	0.93	7.5	121.52	1.13	41.88
5 - 6m	12.01	4.7	0.92	7.34	100.02	1.23	41.88

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.448	12.0	4.69	32.84	6.79	577.86	0.71	41.88
0.479	12.0	4.69	5.11	6.78	573.99	0.68	41.88
0.508	12.0	4.69	3.32	6.77	574.39	0.63	41.88
0.521	12.0	4.69	9.38	6.77	570.41	0.31	41.88
0.525	12.0	4.69	2.1	6.78	568.56	0.22	41.88
0.529	12.0	4.69	1.49	6.78	557.47	0.18	41.88
0.543	12.0	4.69	0.61	6.78	510.83	0.18	41.88
0.581	12.0	4.69	1.72	6.78	485.21	0.16	41.88
0.626	12.0	4.69	1.68	6.77	467.98	0.17	41.88
0.702	12.0	4.69	0.46	6.77	222.85	0.13	41.88
0.786	12.0	4.69	0.84	6.75	110.98	0.29	41.88
0.886	12.0	4.69	0.99	6.72	120.91	0.21	41.88
0.957	12.0	4.69	0.8	6.69	114.8	0.47	41.88
0.982	12.0	4.69	0.88	6.68	86.54	0.64	41.88
0.986	12.01	4.69	0.53	6.69	94.12	0.7	41.88
1.02	12.01	4.69	0.88	6.69	110.8	0.7	41.88
1.085	12.01	4.69	0.8	6.72	113.32	0.76	41.88
1.139	12.01	4.69	0.8	6.78	91.81	0.83	41.87
1.191	12.01	4.69	0.84	6.8	92.32	0.76	41.87
1.237	12.01	4.69	1.11	6.8	99.62	0.79	41.87
1.272	12.01	4.69	0.88	6.78	110.82	0.7	41.87
1.301	12.01	4.69	0.92	6.73	115.33	0.73	41.87
1.33	12.01	4.69	1.11	6.69	103.47	0.83	41.87
1.365	12.01	4.69	1.49	6.63	94.09	0.82	41.87
1.4	12.01	4.69	1.34	6.57	90.56	0.81	41.87
1.445	12.01	4.69	1.03	6.51	101.72	0.82	41.87
1.49	12.01	4.69	0.99	6.46	108.61	0.81	41.87
1.515	12.01	4.69	0.88	6.42	105.17	0.74	41.87
1.525	12.01	4.69	1.14	6.38	99.09	0.78	41.87
1.543	12.01	4.69	1.49	6.34	97.81	0.78	41.87
1.595	12.01	4.69	1.22	6.34	96.57	0.75	41.87
1.695	12.01	4.69	0.99	6.35	98.38	0.74	41.87
1.807	12.01	4.69	0.99	6.35	103.31	0.67	41.87
1.848	12.01	4.69	1.14	6.3	96.41	0.85	41.87
1.869	12.01	4.69	0.99	6.28	100.33	0.77	41.88
1.935	12.01	4.69	0.95	6.3	102.76	0.73	41.88

2.029	12.01	4.69	0.99	6.33	100.92	0.8	41.88
2.135	12.01	4.69	0.92	6.35	100.12	0.85	41.88
2.206	12.01	4.69	0.92	6.38	99.82	0.86	41.87
2.208	12.01	4.69	0.99	6.43	104.32	0.68	41.87
2.209	12.01	4.69	0.88	6.45	109.88	0.72	41.88
2.247	12.01	4.69	0.84	6.49	110.36	0.7	41.88
2.325	12.01	4.69	0.84	6.54	111.49	0.75	41.88
2.413	12.01	4.69	0.92	6.6	107.31	0.76	41.88
2.482	12.01	4.69	0.99	6.64	101.88	0.69	41.88
2.519	12.01	4.69	0.84	6.66	101.08	0.74	41.88
2.533	12.01	4.69	0.95	6.66	106.49	0.71	41.88
2.541	12.01	4.69	0.88	6.66	111.93	0.79	41.88
2.572	12.01	4.69	0.84	6.67	115.38	0.73	41.88
2.639	12.01	4.69	0.88	6.68	113.71	0.7	41.88
2.721	12.01	4.69	0.8	6.72	110.44	0.69	41.88
2.794	12.01	4.69	0.92	6.75	110.08	0.72	41.88
2.827	12.01	4.69	0.92	6.8	114.5	0.76	41.88
2.835	12.01	4.69	0.92	6.82	123.66	0.76	41.88
2.894	12.01	4.69	0.92	6.86	128.78	0.71	41.88
2.964	12.01	4.69	0.88	6.9	122.18	0.75	41.88
2.985	12.01	4.69	0.99	6.92	116.08	0.73	41.88
2.988	12.01	4.69	0.95	6.93	129.83	0.71	41.88
3.045	12.01	4.69	0.84	6.96	140.05	0.76	41.88
3.116	12.01	4.69	0.92	7.02	142.51	0.75	41.88
3.162	12.01	4.69	0.99	7.08	130.31	0.73	41.88
3.187	12.01	4.69	0.95	7.11	129.65	0.74	41.88
3.206	12.01	4.69	0.84	7.15	131.25	0.76	41.88
3.239	12.01	4.69	0.92	7.19	137.58	0.75	41.88
3.284	12.01	4.69	0.84	7.21	139.02	0.76	41.88
3.331	12.01	4.69	0.88	7.22	131.71	0.76	41.88
3.369	12.01	4.7	1.11	7.21	128.16	0.8	41.88
3.417	12.01	4.7	0.92	7.19	127.53	0.8	41.88
3.468	12.01	4.7	1.03	7.2	137.04	0.81	41.88
3.478	12.01	4.7	0.92	7.17	137.77	0.81	41.88
3.501	12.01	4.7	1.07	7.15	139.44	0.79	41.88
3.579	12.01	4.7	0.95	7.17	134.99	0.83	41.88
3.671	12.01	4.7	0.8	7.23	136.34	0.9	41.88
3.744	12.01	4.7	0.84	7.31	135.33	0.91	41.88
3.758	12.01	4.7	0.8	7.37	121.7	0.96	41.88
3.759	12.01	4.7	0.95	7.36	120.05	0.98	41.88
3.798	12.01	4.7	0.84	7.37	131.77	0.95	41.88
3.88	12.01	4.7	0.92	7.44	140.9	0.97	41.88
3.988	12.01	4.7	0.72	7.52	137.35	1.04	41.88
4.079	12.01	4.7	0.84	7.61	131.99	1.04	41.88
4.107	12.01	4.7	1.07	7.62	126.47	1.12	41.88
4.121	12.01	4.7	0.95	7.56	131.74	1.08	41.88
4.176	12.01	4.69	0.84	7.49	137.26	1.11	41.88
4.253	12.01	4.7	0.99	7.47	137.8	1.09	41.88
4.297	12.01	4.69	0.95	7.4	135.99	1.22	41.88
4.31	12.01	4.69	0.95	7.32	134.52	1.17	41.88
4.416	12.01	4.69	0.8	7.32	122.55	1.12	41.88
4.564	12.01	4.7	0.84	7.45	119.8	1.18	41.88
4.58	12.01	4.69	1.07	7.53	107.09	1.16	41.88
4.609	12.01	4.69	0.99	7.47	108.43	1.15	41.88
4.715	12.01	4.7	0.92	7.57	110.23	1.07	41.88
4.849	12.01	4.7	0.88	7.75	110.54	1.12	41.88
4.911	12.01	4.7	0.88	7.5	103.59	1.15	41.88
4.952	12.01	4.7	0.92	7.4	104.75	1.17	41.88

5.048	12.01	4.7	0.88	7.34	107.09	1.23	41.88
5.157	12.01	4.7	0.95	7.36	108.41	1.25	41.88
5.237	12.01	4.7	0.92	7.37	109.72	1.17	41.88
5.272	12.01	4.7	0.88	7.41	109.34	1.27	41.88
5.28	12.01	4.7	0.84	7.43	105.0	1.24	41.88
5.291	12.01	4.7	0.88	7.41	101.83	1.24	41.88
5.332	12.01	4.7	0.88	8.48	100.54	1.19	41.88
5.402	12.01	4.7	0.84	8.34	100.33	1.22	41.88
5.477	12.01	4.7	0.99	8.13	101.24	1.11	41.88
5.533	12.01	4.7	0.88	7.91	103.98	1.19	41.88
5.565	12.01	4.7	0.92	7.74	105.44	1.24	41.88
5.585	12.01	4.7	1.03	7.52	103.33	1.28	41.88
5.614	12.01	4.7	0.99	7.26	101.01	1.32	41.88
5.65	12.01	4.7	0.92	6.99	97.72	1.2	41.88
5.688	12.01	4.7	0.92	6.71	95.66	1.18	41.88
5.726	12.01	4.7	1.03	6.81	94.95	1.22	41.88
5.756	12.01	4.7	0.92	6.88	92.54	1.26	41.88
5.77	12.01	4.7	0.95	6.91	92.07	1.22	41.88
5.776	12.01	4.7	0.8	6.93	92.58	1.2	41.88
5.785	12.01	4.7	0.92	6.96	93.75	1.29	41.88
5.79	12.01	4.7	0.92	6.97	96.14	1.28	41.88
5.792	12.01	4.7	0.95	6.99	95.06	1.28	41.88
5.794	12.01	4.7	0.95	7.0	92.82	1.21	41.88



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

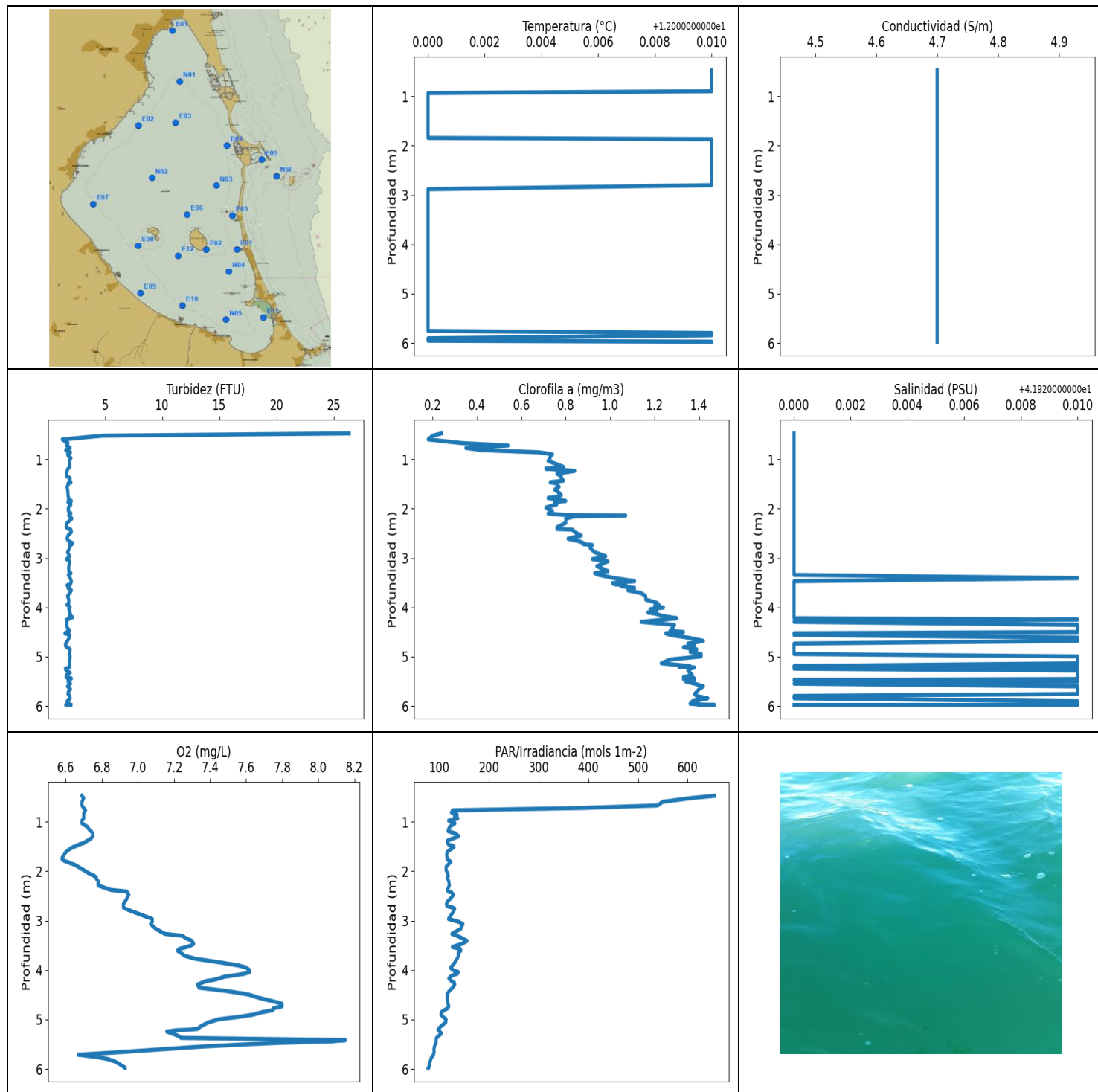
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	11.98	4.69	0.0	6.79	193.78	0.28	41.9
PROF (metros)	0.564	0.564	1.021	1.062	3.991	0.586	0.918
MÁXIMO	11.99	11.99	1.3	7.81	4309.6	0.67	41.91
PROF (metros)	3.74	3.401	1.737	3.962	0.564	3.962	0.564

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E11 - Punto 011	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.98	4.69	0.23	6.86	1935.74	0.38	41.9
1 - 2m	11.98	4.69	0.53	6.97	741.38	0.43	41.91
2 - 3m	11.98	4.69	0.69	7.11	424.78	0.48	41.91
3 - 4m	11.98	4.7	0.65	7.48	309.48	0.61	41.91

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.564	11.98	4.69	0.11	6.8	4309.6	0.44	41.91
0.579	11.98	4.69	0.19	6.8	3960.9	0.44	41.91
0.586	11.98	4.69	0.23	6.85	4109.6	0.28	41.91
0.65	11.98	4.69	0.08	6.87	445.02	0.34	41.91
0.801	11.98	4.69	0.19	6.89	595.12	0.31	41.91
0.918	11.98	4.69	0.76	6.91	1190.1	0.41	41.9
0.933	11.98	4.69	0.15	6.88	466.68	0.43	41.9
0.969	11.98	4.69	0.15	6.86	408.92	0.36	41.9
1.021	11.98	4.69	0.0	6.82	575.86	0.4	41.9
1.062	11.98	4.69	0.0	6.79	369.45	0.41	41.9
1.084	11.98	4.69	0.0	6.8	330.09	0.42	41.91
1.118	11.98	4.69	0.0	6.84	447.81	0.38	41.91
1.155	11.98	4.69	0.0	6.86	1006.0	0.42	41.91
1.194	11.98	4.69	0.0	6.89	328.56	0.41	41.91
1.243	11.98	4.69	0.0	6.91	420.36	0.44	41.9
1.287	11.98	4.69	0.0	6.93	665.0	0.42	41.91
1.319	11.98	4.69	0.0	6.95	650.22	0.38	41.91
1.348	11.98	4.69	0.0	6.96	709.1	0.44	41.91
1.394	11.98	4.69	0.0	6.97	752.97	0.38	41.9
1.484	11.98	4.69	0.0	6.99	289.37	0.42	41.9
1.594	11.98	4.69	0.19	7.02	580.95	0.43	41.9
1.679	11.98	4.69	0.11	7.02	786.87	0.42	41.9
1.686	11.98	4.69	0.0	6.91	423.68	0.45	41.91
1.737	11.98	4.69	1.3	6.89	856.33	0.42	41.91
1.838	11.98	4.69	0.0	6.9	472.88	0.41	41.91
2.0	11.98	4.69	0.23	6.94	415.9	0.44	41.91
2.114	11.98	4.69	0.38	6.97	470.37	0.43	41.91
2.245	11.98	4.69	0.72	7.04	416.29	0.46	41.91
2.29	11.98	4.69	0.8	7.03	640.49	0.45	41.91
2.371	11.98	4.69	0.95	7.04	599.14	0.46	41.91
2.463	11.98	4.69	0.57	7.07	322.9	0.48	41.91
2.534	11.98	4.69	0.84	7.12	332.08	0.45	41.91
2.562	11.98	4.69	0.65	7.14	428.13	0.51	41.91
2.589	11.98	4.69	0.92	7.12	418.41	0.47	41.91
2.668	11.98	4.69	0.76	7.13	351.24	0.5	41.91
2.765	11.98	4.69	0.69	7.15	420.84	0.48	41.91
2.851	11.98	4.69	0.69	7.21	417.54	0.53	41.91
2.901	11.98	4.69	0.88	7.28	323.65	0.5	41.91

2.944	11.98	4.69	0.57	7.28	389.95	0.48	41.91
3.044	11.98	4.69	0.61	7.31	511.89	0.55	41.91
3.143	11.98	4.69	0.72	7.34	471.46	0.52	41.91
3.17	11.98	4.69	0.69	7.37	276.84	0.55	41.91
3.177	11.98	4.69	0.69	7.36	277.1	0.54	41.91
3.23	11.98	4.69	0.69	7.37	304.51	0.56	41.91
3.296	11.98	4.69	0.57	7.38	319.03	0.65	41.91
3.35	11.98	4.69	0.61	7.4	340.42	0.56	41.91
3.401	11.98	4.7	0.72	7.43	412.73	0.6	41.91
3.441	11.98	4.69	0.72	7.47	407.69	0.61	41.91
3.458	11.98	4.69	0.69	7.48	286.04	0.65	41.91
3.461	11.98	4.69	0.69	7.48	313.39	0.6	41.91
3.481	11.98	4.69	0.65	7.47	319.7	0.6	41.91
3.545	11.98	4.69	0.76	7.45	349.13	0.63	41.91
3.638	11.98	4.69	0.57	7.52	307.13	0.63	41.91
3.725	11.98	4.7	0.65	7.57	322.08	0.63	41.91
3.74	11.99	4.7	0.8	7.53	267.63	0.62	41.91
3.754	11.99	4.7	0.5	7.5	273.59	0.64	41.91
3.814	11.99	4.7	0.69	7.53	280.2	0.66	41.91
3.912	11.99	4.7	0.61	7.64	262.17	0.63	41.91
3.962	11.99	4.7	0.61	7.81	207.64	0.67	41.91
3.976	11.99	4.7	0.57	7.7	214.54	0.66	41.91
3.991	11.99	4.7	0.5	7.59	193.78	0.65	41.91
3.992	11.99	4.7	0.65	7.45	199.25	0.66	41.91



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.0	4.7	1.26	6.58	77.02	0.18	41.92
PROF (metros)	0.977	0.475	0.597	1.729	5.981	0.597	0.475
MÁXIMO	12.01	12.01	26.36	8.15	654.15	1.47	41.93
PROF (metros)	0.475	0.475	0.475	5.418	0.475	5.979	3.41

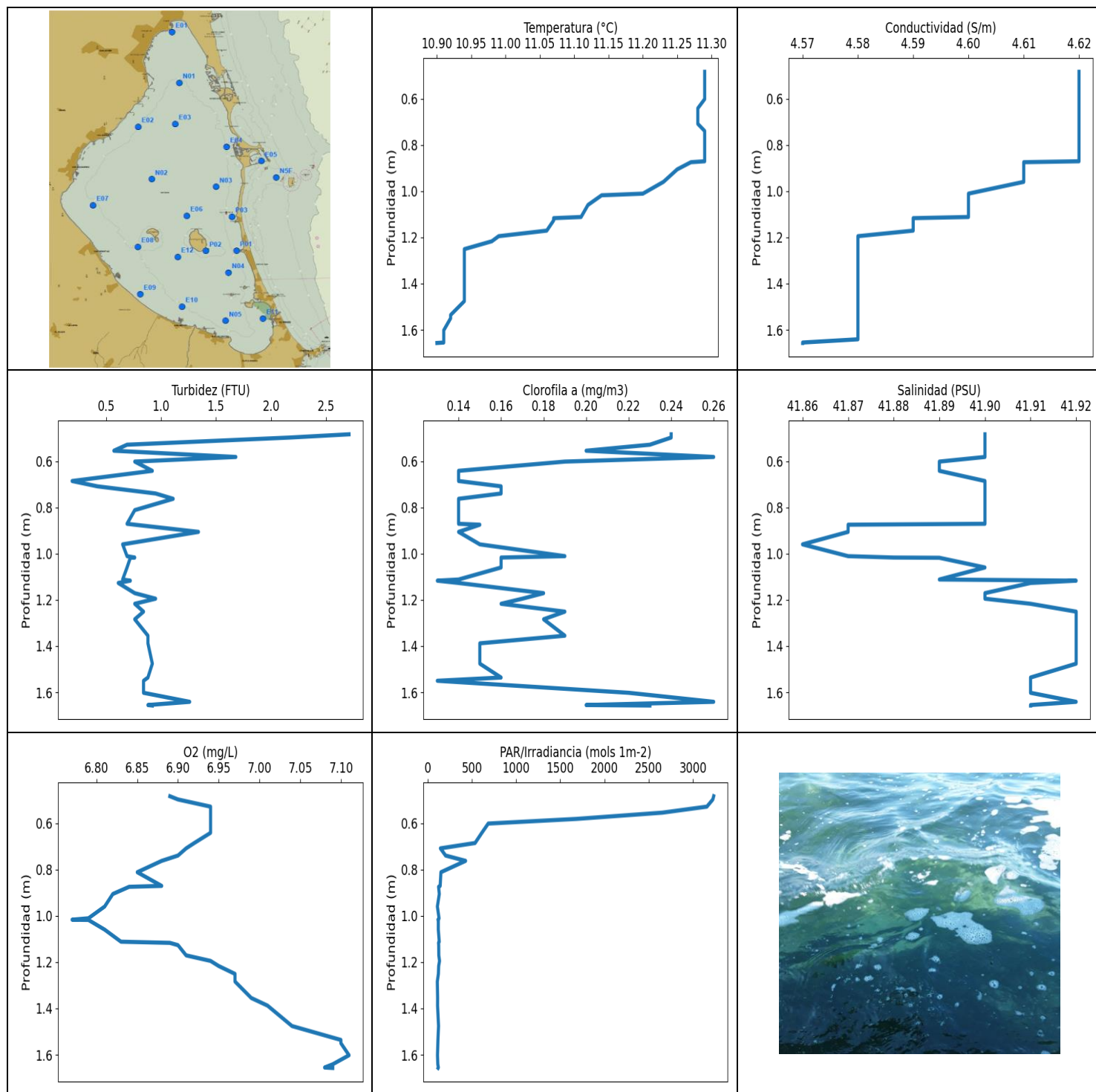
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N04 - Punto 012	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.01	4.7	4.26	6.7	318.96	0.47	41.92
1 - 2m	12.0	4.7	1.82	6.67	120.77	0.76	41.92
2 - 3m	12.01	4.7	1.88	6.89	120.01	0.85	41.92
3 - 4m	12.0	4.7	1.86	7.29	136.19	1.06	41.92
4 - 5m	12.0	4.7	1.81	7.57	119.51	1.29	41.92
5 - 6m	12.0	4.7	1.81	7.23	90.87	1.37	41.93

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.475	12.01	4.7	26.36	6.69	654.15	0.24	41.92
0.521	12.01	4.7	4.81	6.7	606.54	0.2	41.92
0.597	12.01	4.7	1.26	6.69	549.52	0.18	41.92
0.67	12.01	4.7	1.76	6.69	539.55	0.33	41.92
0.721	12.01	4.7	1.64	6.7	387.78	0.54	41.92
0.769	12.01	4.7	1.95	6.71	126.47	0.35	41.92
0.813	12.01	4.7	1.56	6.7	123.84	0.42	41.92
0.858	12.01	4.7	1.98	6.7	135.52	0.68	41.92
0.898	12.01	4.7	1.72	6.7	130.07	0.74	41.92
0.934	12.0	4.7	1.79	6.7	136.84	0.73	41.92
0.977	12.0	4.7	2.02	6.69	118.23	0.73	41.92
1.032	12.0	4.7	1.87	6.69	130.95	0.72	41.92
1.101	12.0	4.7	1.91	6.72	120.3	0.76	41.92
1.156	12.0	4.7	1.91	6.73	118.12	0.79	41.92
1.189	12.0	4.7	1.76	6.74	117.11	0.71	41.92
1.235	12.0	4.7	1.68	6.75	131.65	0.84	41.92
1.291	12.0	4.7	1.64	6.75	138.6	0.76	41.92
1.34	12.0	4.7	1.64	6.74	126.77	0.78	41.92
1.383	12.0	4.7	1.95	6.72	115.7	0.78	41.92
1.43	12.0	4.7	1.91	6.7	115.97	0.79	41.92
1.466	12.0	4.7	2.02	6.67	118.86	0.73	41.92
1.488	12.0	4.7	1.76	6.66	127.62	0.76	41.92
1.513	12.0	4.7	1.79	6.64	129.23	0.76	41.92
1.558	12.0	4.7	1.68	6.62	122.24	0.77	41.92
1.615	12.0	4.7	1.72	6.6	115.09	0.75	41.92
1.677	12.0	4.7	1.76	6.59	114.21	0.77	41.92
1.729	12.0	4.7	1.76	6.58	115.49	0.78	41.92
1.759	12.0	4.7	1.79	6.58	115.01	0.76	41.92
1.785	12.0	4.7	1.83	6.59	119.55	0.72	41.92
1.814	12.0	4.7	1.79	6.61	122.78	0.76	41.92
1.844	12.0	4.7	2.06	6.63	119.11	0.8	41.92
1.869	12.01	4.7	1.76	6.65	117.27	0.75	41.92
1.913	12.01	4.7	2.02	6.67	113.05	0.76	41.92
1.978	12.01	4.7	1.79	6.7	113.13	0.71	41.92
2.046	12.01	4.7	1.79	6.73	116.59	0.74	41.92
2.098	12.01	4.7	2.02	6.76	117.65	0.72	41.92

2.126	12.01	4.7	1.83	6.77	116.13	0.79	41.92
2.139	12.01	4.7	1.83	6.77	115.41	1.07	41.92
2.156	12.01	4.7	1.91	6.77	116.46	0.84	41.92
2.201	12.01	4.7	2.1	6.78	118.53	0.8	41.92
2.288	12.01	4.7	1.68	6.78	119.74	0.8	41.92
2.379	12.01	4.7	1.6	6.85	115.57	0.76	41.92
2.412	12.01	4.7	1.83	6.94	117.49	0.76	41.92
2.426	12.01	4.7	2.02	6.94	123.84	0.83	41.92
2.476	12.01	4.7	2.06	6.95	128.13	0.84	41.92
2.545	12.01	4.7	1.76	6.94	122.81	0.87	41.92
2.61	12.01	4.7	1.68	6.93	116.32	0.81	41.92
2.66	12.01	4.7	1.83	6.92	113.74	0.86	41.92
2.699	12.01	4.7	2.17	6.92	114.5	0.88	41.92
2.721	12.01	4.7	1.87	6.92	119.44	0.88	41.92
2.737	12.01	4.7	2.06	6.92	127.09	0.92	41.92
2.757	12.01	4.7	1.87	6.93	130.56	0.91	41.92
2.802	12.01	4.7	1.91	6.96	128.78	0.91	41.92
2.884	12.0	4.7	1.72	7.02	123.49	0.93	41.92
2.966	12.0	4.7	1.91	7.08	118.01	0.98	41.92
3.025	12.0	4.7	1.64	7.08	138.6	0.92	41.92
3.068	12.0	4.7	1.91	7.07	147.07	0.99	41.92
3.167	12.0	4.7	1.83	7.1	142.31	0.94	41.92
3.269	12.0	4.7	1.83	7.15	124.82	0.99	41.92
3.309	12.0	4.7	2.02	7.25	135.71	0.93	41.92
3.344	12.0	4.7	1.79	7.26	143.04	0.95	41.92
3.41	12.0	4.7	1.95	7.3	155.49	1.02	41.93
3.471	12.0	4.7	2.06	7.31	144.87	1.11	41.92
3.511	12.0	4.7	2.02	7.29	132.97	1.01	41.92
3.534	12.0	4.7	1.95	7.27	125.8	1.02	41.92
3.554	12.0	4.7	1.68	7.25	133.86	1.07	41.92
3.572	12.0	4.7	1.91	7.23	141.62	1.05	41.92
3.608	12.0	4.7	1.76	7.22	142.84	1.11	41.92
3.657	12.0	4.7	2.06	7.24	137.67	1.08	41.92
3.713	12.0	4.7	1.91	7.26	138.15	1.14	41.92
3.773	12.0	4.7	1.72	7.32	135.33	1.16	41.92
3.843	12.0	4.7	1.83	7.45	131.16	1.16	41.92
3.909	12.0	4.7	1.83	7.56	126.18	1.21	41.92
3.95	12.0	4.7	1.68	7.6	122.27	1.22	41.92
3.977	12.0	4.7	1.87	7.61	124.01	1.2	41.92
4.005	12.0	4.7	1.95	7.62	128.1	1.24	41.92
4.041	12.0	4.7	1.83	7.62	137.86	1.18	41.92
4.076	12.0	4.7	1.91	7.59	135.74	1.21	41.92
4.105	12.0	4.7	1.91	7.54	127.09	1.17	41.92
4.135	12.0	4.7	1.98	7.48	121.28	1.21	41.92
4.171	12.0	4.7	1.87	7.45	118.69	1.23	41.92
4.2	12.0	4.7	2.17	7.42	122.1	1.27	41.92
4.222	12.0	4.7	1.95	7.38	123.84	1.3	41.92
4.251	12.0	4.7	1.64	7.36	129.59	1.24	41.93
4.295	12.0	4.7	1.68	7.33	130.65	1.14	41.92
4.358	12.0	4.7	1.64	7.34	126.3	1.29	41.93
4.424	12.0	4.7	1.72	7.49	119.44	1.28	41.93
4.474	12.0	4.7	1.91	7.58	116.35	1.27	41.93
4.502	12.0	4.7	1.68	7.62	114.9	1.33	41.93
4.526	12.0	4.7	1.49	7.64	116.7	1.25	41.92
4.561	12.0	4.7	1.91	7.67	115.14	1.27	41.92
4.615	12.0	4.7	1.87	7.73	115.87	1.35	41.93
4.681	12.0	4.7	1.72	7.8	117.13	1.42	41.93
4.736	12.0	4.7	1.56	7.8	118.53	1.35	41.92

4.776	12.0	4.7	1.53	7.75	116.16	1.38	41.92
4.811	12.0	4.7	1.68	7.75	109.75	1.33	41.92
4.852	12.0	4.7	1.95	7.69	103.59	1.39	41.92
4.903	12.0	4.7	1.91	7.64	102.64	1.36	41.92
4.948	12.0	4.7	1.87	7.56	107.11	1.41	41.92
4.996	12.0	4.7	1.95	7.45	113.13	1.41	41.93
5.06	12.0	4.7	1.91	7.39	112.43	1.27	41.93
5.136	12.0	4.7	1.87	7.35	103.02	1.23	41.93
5.192	12.0	4.7	1.91	7.33	97.67	1.36	41.92
5.21	12.0	4.7	1.91	7.27	96.66	1.31	41.93
5.22	12.0	4.7	1.83	7.21	98.26	1.38	41.92
5.245	12.0	4.7	1.53	7.16	100.64	1.36	41.92
5.283	12.0	4.7	1.6	7.19	103.91	1.35	41.93
5.326	12.0	4.7	1.95	7.22	98.92	1.36	41.93
5.373	12.0	4.7	1.64	7.24	93.64	1.37	41.93
5.418	12.0	4.7	1.6	8.15	93.05	1.33	41.93
5.444	12.0	4.7	2.06	8.07	93.25	1.38	41.93
5.455	12.0	4.7	1.83	7.94	93.03	1.33	41.93
5.474	12.0	4.7	1.79	7.78	93.05	1.38	41.92
5.503	12.0	4.7	1.76	7.6	91.13	1.34	41.93
5.548	12.0	4.7	1.98	7.36	89.67	1.38	41.92
5.604	12.0	4.7	1.72	7.13	88.55	1.42	41.93
5.661	12.0	4.7	1.98	6.9	89.09	1.4	41.93
5.713	12.0	4.7	1.79	6.67	87.57	1.39	41.93
5.758	12.0	4.7	1.76	6.77	84.68	1.38	41.93
5.798	12.01	4.7	1.91	6.83	82.39	1.39	41.92
5.845	12.01	4.7	1.95	6.87	81.29	1.44	41.92
5.907	12.0	4.7	1.68	6.9	79.36	1.37	41.93
5.955	12.0	4.7	1.87	6.92	79.15	1.36	41.93
5.975	12.01	4.7	1.68	6.93	78.13	1.42	41.93
5.979	12.01	4.7	1.56	6.93	77.11	1.47	41.93
5.981	12.01	4.7	2.02	6.93	77.02	1.4	41.92



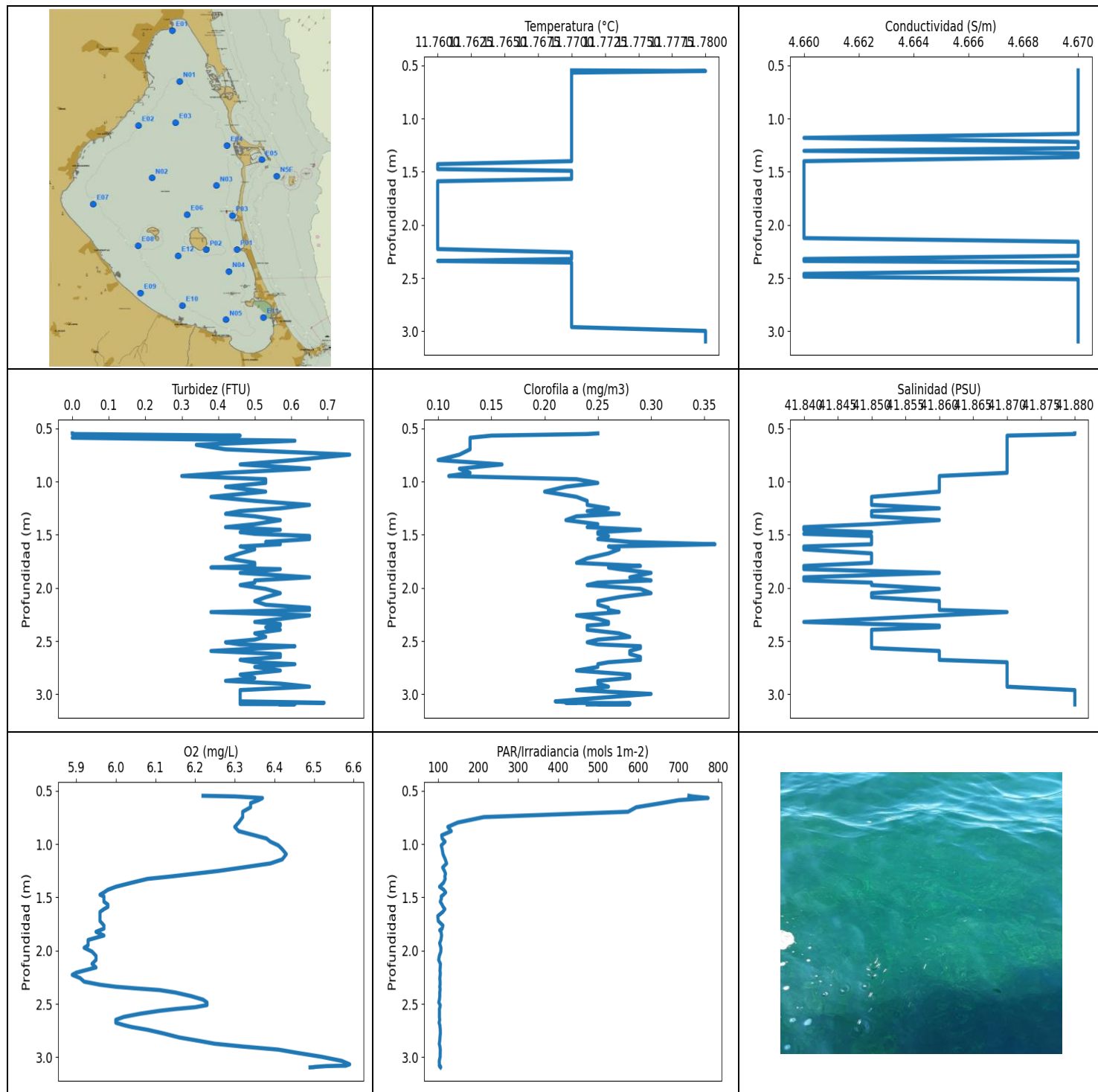
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	10.9	4.57	0.19	6.77	109.24	0.13	41.86
PROF (metros)	1.657	1.655	0.686	1.017	1.284	1.117	0.96
MÁXIMO	11.29	11.29	2.71	7.11	3234.6	0.26	41.92
PROF (metros)	0.484	0.484	0.484	1.602	0.484	0.582	1.117

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P01 - Punto 013	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.28	4.61	1.02	6.89	1076.09	0.18	41.89
1 - 2m	11.0	4.58	0.82	6.96	120.26	0.17	41.91

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.484	11.29	4.62	2.71	6.89	3234.6	0.24	41.9
0.498	11.29	4.62	2.17	6.9	3224.9	0.24	41.9
0.529	11.29	4.62	0.69	6.94	3157.6	0.23	41.9
0.555	11.29	4.62	0.57	6.94	2653.1	0.2	41.9
0.582	11.29	4.62	1.68	6.94	1681.0	0.26	41.9
0.602	11.29	4.62	0.76	6.94	685.03	0.19	41.89
0.642	11.28	4.62	0.92	6.94	612.76	0.14	41.89
0.686	11.28	4.62	0.19	6.92	536.06	0.14	41.9
0.709	11.28	4.62	0.42	6.91	144.1	0.16	41.9
0.74	11.29	4.62	0.95	6.9	202.6	0.16	41.9
0.763	11.29	4.62	1.11	6.88	429.12	0.14	41.9
0.812	11.29	4.62	0.76	6.85	150.0	0.14	41.9
0.871	11.29	4.62	0.69	6.88	141.65	0.14	41.9
0.875	11.27	4.61	0.76	6.84	123.41	0.15	41.87
0.906	11.25	4.61	1.34	6.82	131.47	0.14	41.87
0.96	11.23	4.61	0.65	6.81	110.05	0.15	41.86
1.011	11.2	4.6	0.69	6.79	128.78	0.19	41.87
1.017	11.15	4.6	0.76	6.77	116.32	0.16	41.88
1.018	11.14	4.6	0.72	6.79	120.63	0.16	41.89
1.06	11.12	4.6	0.69	6.81	120.52	0.16	41.9
1.112	11.11	4.6	0.65	6.83	130.98	0.14	41.89
1.117	11.07	4.59	0.72	6.89	122.89	0.13	41.92
1.127	11.07	4.59	0.61	6.9	124.87	0.14	41.91
1.171	11.06	4.59	0.76	6.91	125.98	0.18	41.9
1.195	10.99	4.58	0.95	6.94	134.21	0.17	41.9
1.217	10.98	4.58	0.76	6.95	124.53	0.16	41.91
1.251	10.94	4.58	0.84	6.97	121.36	0.19	41.92
1.284	10.94	4.58	0.76	6.97	109.24	0.18	41.92
1.355	10.94	4.58	0.88	6.99	112.66	0.19	41.92
1.388	10.94	4.58	0.88	7.01	112.14	0.15	41.92
1.476	10.94	4.58	0.92	7.04	123.09	0.15	41.92
1.536	10.92	4.58	0.88	7.1	116.35	0.16	41.91
1.55	10.92	4.58	0.84	7.1	115.33	0.13	41.91
1.602	10.91	4.58	0.84	7.11	111.36	0.22	41.91
1.641	10.91	4.58	1.26	7.09	114.74	0.26	41.92
1.655	10.91	4.57	0.88	7.08	121.03	0.2	41.91
1.657	10.9	4.57	0.92	7.09	118.39	0.23	41.91



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

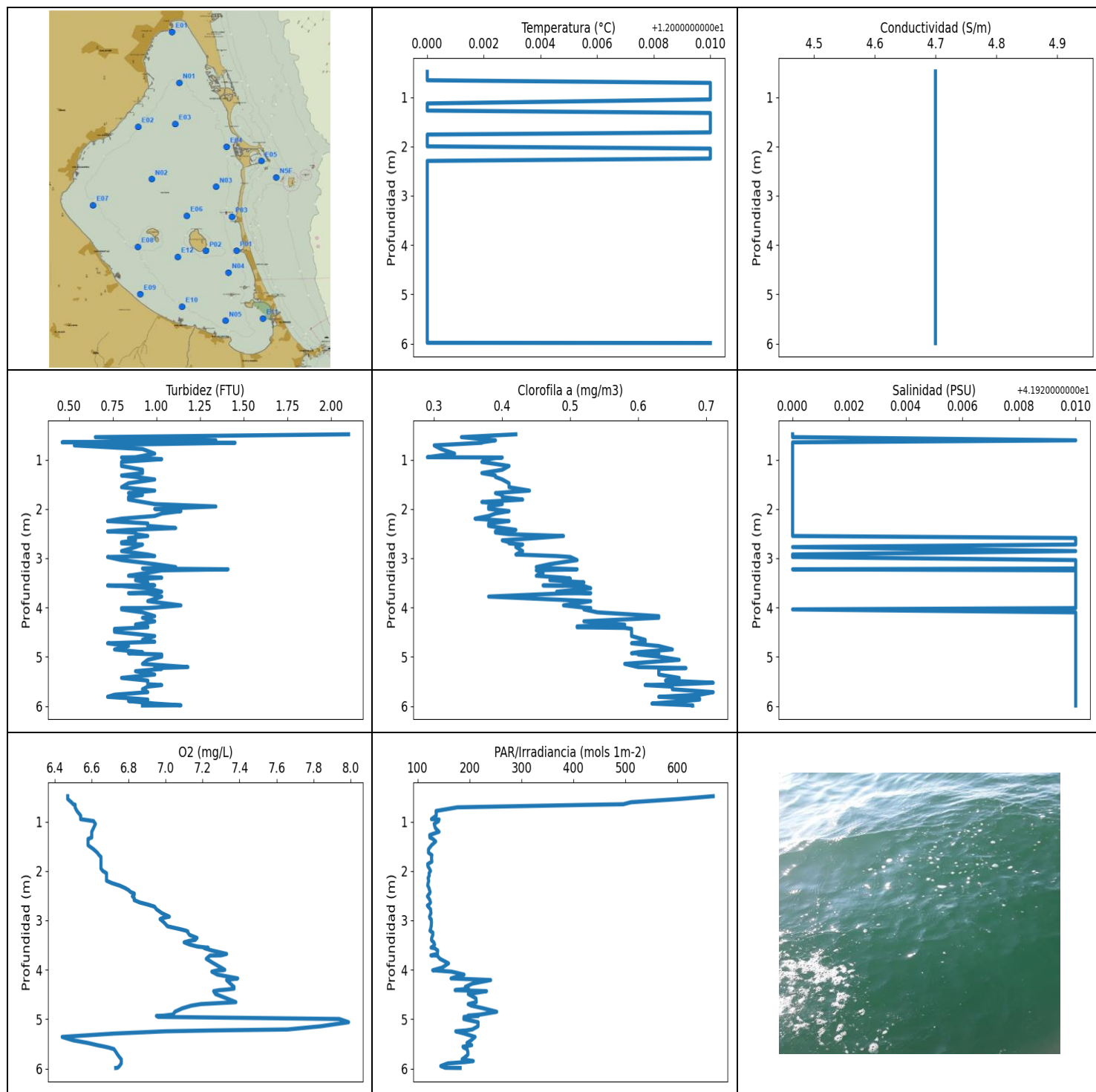
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.76	4.66	0.0	5.89	98.88	0.1	41.84
PROF (metros)	1.428	1.181	0.546	2.227	1.675	0.797	1.428
MÁXIMO	11.78	11.78	0.76	6.59	774.74	0.36	41.88
PROF (metros)	0.552	0.546	0.746	3.067	0.567	1.589	0.546

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	11.77	4.67	0.51	6.34	323.4	0.14	41.87
1 - 2m	11.76	4.66	0.51	6.07	110.29	0.26	41.85
2 - 3m	11.77	4.67	0.53	6.1	104.01	0.26	41.86
3 - 4m	11.78	4.67	0.53	6.54	104.41	0.25	41.88

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.546	11.77	4.67	0.0	6.22	726.73	0.25	41.88
0.552	11.78	4.67	0.0	6.3	734.86	0.24	41.88
0.567	11.77	4.67	0.46	6.37	774.74	0.15	41.87
0.587	11.77	4.67	0.0	6.36	701.74	0.13	41.87
0.615	11.77	4.67	0.61	6.34	658.1	0.13	41.87
0.654	11.77	4.67	0.34	6.34	594.85	0.13	41.87
0.696	11.77	4.67	0.42	6.32	574.66	0.13	41.87
0.746	11.77	4.67	0.76	6.32	213.89	0.12	41.87
0.797	11.77	4.67	0.61	6.31	148.96	0.1	41.87
0.838	11.77	4.67	0.46	6.3	123.95	0.16	41.87
0.878	11.77	4.67	0.65	6.31	132.63	0.12	41.87
0.917	11.77	4.67	0.42	6.35	108.56	0.13	41.87
0.947	11.77	4.67	0.3	6.38	109.9	0.11	41.86
0.977	11.77	4.67	0.53	6.39	117.11	0.23	41.86
1.012	11.77	4.67	0.53	6.41	107.56	0.25	41.86
1.048	11.77	4.67	0.42	6.42	109.9	0.22	41.86
1.094	11.77	4.67	0.53	6.43	111.91	0.2	41.86
1.143	11.77	4.67	0.38	6.42	117.52	0.23	41.85
1.181	11.77	4.66	0.5	6.39	121.03	0.24	41.85
1.219	11.77	4.67	0.65	6.32	110.98	0.24	41.85
1.251	11.77	4.67	0.57	6.26	115.52	0.26	41.86
1.277	11.77	4.67	0.46	6.2	118.17	0.24	41.85
1.303	11.77	4.66	0.42	6.14	116.4	0.27	41.85
1.326	11.77	4.67	0.5	6.08	117.43	0.23	41.85
1.362	11.77	4.67	0.57	6.04	113.32	0.22	41.86
1.4	11.77	4.66	0.5	6.0	103.33	0.25	41.85
1.428	11.76	4.66	0.42	5.98	113.68	0.24	41.84
1.453	11.76	4.66	0.57	5.97	118.61	0.29	41.84
1.475	11.76	4.66	0.46	5.96	112.98	0.25	41.85
1.491	11.77	4.66	0.5	5.97	107.43	0.25	41.84
1.511	11.77	4.66	0.65	5.97	108.08	0.26	41.85
1.54	11.77	4.66	0.65	5.97	105.05	0.25	41.85
1.567	11.77	4.66	0.53	5.98	109.42	0.28	41.85
1.589	11.76	4.66	0.57	5.98	112.3	0.36	41.85
1.61	11.76	4.66	0.46	5.97	116.59	0.26	41.84
1.637	11.76	4.66	0.5	5.96	111.08	0.27	41.84
1.675	11.76	4.66	0.46	5.96	98.88	0.26	41.85
1.721	11.76	4.66	0.42	5.96	100.05	0.24	41.85

1.764	11.76	4.66	0.5	5.97	111.73	0.23	41.85
1.793	11.76	4.66	0.5	5.97	109.77	0.29	41.84
1.808	11.76	4.66	0.38	5.96	103.71	0.26	41.84
1.823	11.76	4.66	0.57	5.95	106.96	0.27	41.84
1.858	11.76	4.66	0.46	5.97	108.43	0.3	41.86
1.9	11.76	4.66	0.65	5.93	106.66	0.28	41.84
1.929	11.76	4.66	0.5	5.93	103.5	0.3	41.84
1.95	11.76	4.66	0.5	5.93	104.92	0.25	41.85
1.973	11.76	4.66	0.46	5.92	106.79	0.24	41.85
2.009	11.76	4.66	0.53	5.94	106.47	0.29	41.86
2.049	11.76	4.66	0.57	5.95	102.78	0.3	41.85
2.087	11.76	4.66	0.53	5.95	101.01	0.27	41.85
2.124	11.76	4.66	0.5	5.94	105.51	0.25	41.86
2.158	11.76	4.67	0.53	5.95	104.97	0.25	41.86
2.187	11.76	4.67	0.65	5.92	104.32	0.26	41.86
2.207	11.76	4.67	0.65	5.9	105.02	0.26	41.86
2.227	11.76	4.67	0.38	5.89	104.97	0.27	41.87
2.258	11.77	4.67	0.65	5.91	103.88	0.23	41.86
2.291	11.77	4.67	0.57	5.92	104.63	0.25	41.85
2.32	11.77	4.66	0.5	5.96	104.66	0.26	41.84
2.339	11.76	4.66	0.57	6.0	103.62	0.26	41.85
2.354	11.77	4.67	0.57	6.05	104.58	0.24	41.86
2.37	11.77	4.67	0.53	6.11	104.63	0.24	41.86
2.393	11.77	4.67	0.57	6.15	103.74	0.24	41.85
2.427	11.77	4.67	0.5	6.19	103.91	0.27	41.85
2.46	11.77	4.66	0.53	6.22	102.95	0.28	41.85
2.486	11.77	4.66	0.5	6.23	101.36	0.25	41.85
2.511	11.77	4.67	0.42	6.23	104.97	0.24	41.85
2.531	11.77	4.67	0.46	6.2	104.24	0.25	41.85
2.548	11.77	4.67	0.61	6.15	102.95	0.29	41.85
2.565	11.77	4.67	0.53	6.11	103.0	0.29	41.85
2.593	11.77	4.67	0.38	6.06	103.0	0.28	41.86
2.622	11.77	4.67	0.57	6.02	102.9	0.28	41.86
2.649	11.77	4.67	0.57	6.0	103.69	0.29	41.86
2.677	11.77	4.67	0.46	6.0	102.16	0.29	41.86
2.699	11.77	4.67	0.5	6.02	104.05	0.26	41.87
2.717	11.77	4.67	0.61	6.04	104.46	0.25	41.87
2.743	11.77	4.67	0.5	6.08	105.14	0.25	41.87
2.777	11.77	4.67	0.57	6.12	105.29	0.23	41.87
2.815	11.77	4.67	0.46	6.16	104.29	0.28	41.87
2.847	11.77	4.67	0.5	6.21	103.74	0.28	41.87
2.874	11.77	4.67	0.42	6.25	102.57	0.25	41.87
2.9	11.77	4.67	0.57	6.32	104.22	0.25	41.87
2.929	11.77	4.67	0.65	6.41	105.14	0.26	41.87
2.961	11.77	4.67	0.46	6.46	104.88	0.23	41.88
2.997	11.78	4.67	0.46	6.52	104.73	0.3	41.88
3.035	11.78	4.67	0.46	6.57	102.54	0.25	41.88
3.067	11.78	4.67	0.46	6.59	102.88	0.21	41.88
3.08	11.78	4.67	0.69	6.58	102.69	0.23	41.88
3.081	11.78	4.67	0.57	6.56	104.58	0.22	41.88
3.084	11.78	4.67	0.46	6.53	104.49	0.28	41.88
3.092	11.78	4.67	0.46	6.5	106.12	0.25	41.88
3.094	11.78	4.67	0.61	6.5	106.17	0.28	41.88
3.096	11.78	4.67	0.57	6.49	105.83	0.24	41.88



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.0	4.7	0.46	6.44	118.89	0.29	41.92
PROF (metros)	0.484	0.484	0.647	5.36	2.698	0.949	0.484
MÁXIMO	12.01	12.01	2.1	7.99	668.87	0.71	41.93
PROF (metros)	0.709	0.484	0.484	5.062	0.484	5.527	0.606

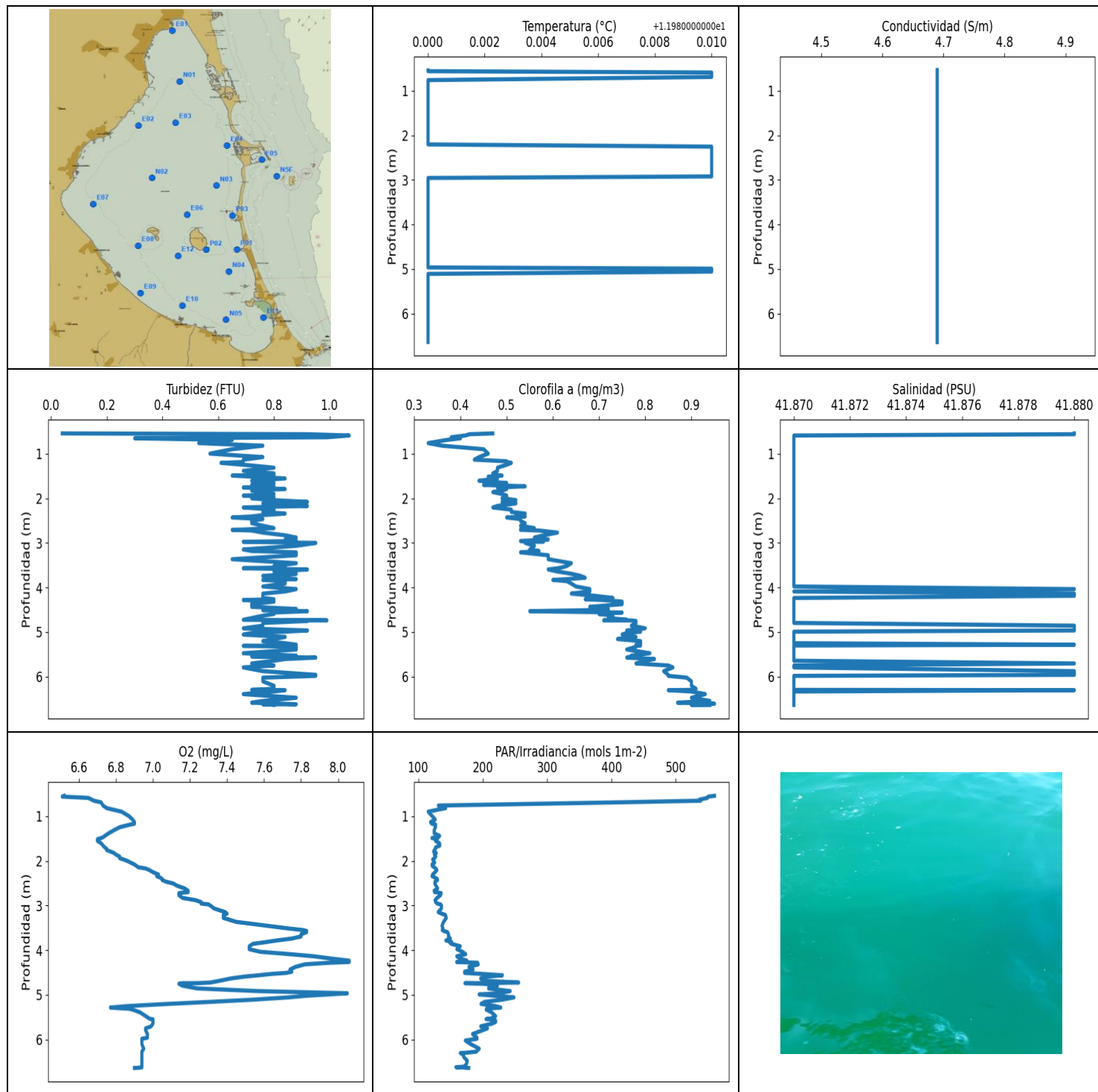
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E12 - Punto 015	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.01	4.7	1.0	6.52	309.43	0.36	41.92
1 - 2m	12.01	4.7	0.91	6.62	126.85	0.4	41.92
2 - 3m	12.0	4.7	0.89	6.84	122.31	0.42	41.92
3 - 4m	12.0	4.7	0.97	7.17	132.02	0.48	41.93
4 - 5m	12.0	4.7	0.9	7.26	194.09	0.58	41.93
5 - 6m	12.0	4.7	0.94	6.88	190.66	0.65	41.93

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.484	12.0	4.7	2.1	6.47	668.87	0.42	41.92
0.541	12.0	4.7	0.65	6.47	603.46	0.34	41.92
0.606	12.0	4.7	1.34	6.49	510.71	0.39	41.93
0.647	12.0	4.7	0.46	6.5	495.66	0.37	41.92
0.656	12.0	4.7	1.45	6.51	441.63	0.37	41.92
0.709	12.01	4.7	0.53	6.51	176.58	0.3	41.92
0.783	12.01	4.7	0.92	6.52	135.61	0.31	41.92
0.876	12.01	4.7	0.99	6.54	135.99	0.33	41.92
0.949	12.01	4.7	0.88	6.54	126.68	0.29	41.92
0.955	12.01	4.7	0.8	6.55	141.36	0.4	41.92
0.966	12.01	4.7	0.92	6.57	136.15	0.39	41.92
0.988	12.01	4.7	1.03	6.61	140.44	0.38	41.92
1.045	12.01	4.7	0.8	6.62	131.95	0.37	41.92
1.127	12.0	4.7	0.8	6.61	134.11	0.41	41.92
1.204	12.0	4.7	0.92	6.6	141.29	0.4	41.92
1.271	12.0	4.7	0.92	6.6	123.35	0.37	41.92
1.32	12.01	4.7	0.8	6.6	123.66	0.39	41.92
1.35	12.01	4.7	0.88	6.58	129.53	0.39	41.92
1.401	12.01	4.7	0.99	6.58	134.8	0.4	41.92
1.477	12.01	4.7	0.84	6.58	126.86	0.41	41.92
1.558	12.01	4.7	0.8	6.61	121.03	0.41	41.92
1.627	12.01	4.7	0.99	6.63	120.91	0.44	41.92
1.677	12.01	4.7	0.84	6.64	127.53	0.39	41.92
1.714	12.01	4.7	0.92	6.65	126.8	0.4	41.92
1.758	12.0	4.7	0.84	6.65	126.94	0.4	41.92
1.809	12.0	4.7	0.84	6.65	127.51	0.43	41.92
1.858	12.0	4.7	0.92	6.65	119.52	0.37	41.92
1.901	12.0	4.7	0.99	6.65	119.85	0.4	41.92
1.949	12.0	4.7	1.34	6.65	122.78	0.38	41.92
1.998	12.0	4.7	0.99	6.66	124.9	0.38	41.92
2.043	12.01	4.7	1.14	6.68	122.21	0.41	41.92
2.092	12.01	4.7	1.03	6.68	122.47	0.39	41.92
2.142	12.01	4.7	0.99	6.68	120.19	0.38	41.92
2.196	12.01	4.7	0.8	6.68	121.42	0.36	41.92
2.245	12.01	4.7	0.72	6.71	120.24	0.41	41.92
2.293	12.0	4.7	0.95	6.75	119.52	0.38	41.92

2.343	12.0	4.7	0.95	6.78	121.96	0.38	41.92
2.387	12.0	4.7	1.11	6.8	122.98	0.4	41.92
2.424	12.0	4.7	0.84	6.81	124.09	0.42	41.92
2.454	12.0	4.7	0.72	6.83	123.09	0.39	41.92
2.478	12.0	4.7	0.88	6.83	120.97	0.39	41.92
2.511	12.0	4.7	0.88	6.82	118.94	0.41	41.92
2.548	12.0	4.7	0.95	6.83	121.5	0.49	41.92
2.589	12.0	4.7	0.84	6.83	123.72	0.45	41.93
2.636	12.0	4.7	0.88	6.86	124.87	0.4	41.93
2.675	12.0	4.7	0.8	6.9	122.41	0.41	41.93
2.698	12.0	4.7	0.8	6.92	118.89	0.41	41.93
2.721	12.0	4.7	0.92	6.94	120.35	0.43	41.93
2.773	12.0	4.7	0.88	6.95	124.9	0.42	41.92
2.854	12.0	4.7	0.8	6.98	125.66	0.43	41.93
2.924	12.0	4.7	0.95	7.02	122.98	0.42	41.92
2.955	12.0	4.7	0.99	6.98	123.58	0.48	41.92
2.974	12.0	4.7	0.72	6.97	126.12	0.5	41.92
3.037	12.0	4.7	0.8	6.99	126.71	0.51	41.93
3.119	12.0	4.7	0.99	7.01	126.18	0.47	41.93
3.179	12.0	4.7	1.11	7.08	124.99	0.45	41.93
3.208	12.0	4.7	0.92	7.11	123.81	0.48	41.93
3.224	12.0	4.7	1.41	7.12	125.66	0.51	41.92
3.245	12.0	4.7	1.03	7.12	129.38	0.45	41.93
3.295	12.0	4.7	0.95	7.13	129.29	0.46	41.93
3.355	12.0	4.7	0.84	7.17	127.18	0.45	41.93
3.395	12.0	4.7	1.03	7.16	126.83	0.49	41.93
3.413	12.0	4.7	0.95	7.13	127.48	0.5	41.93
3.444	12.0	4.7	0.88	7.1	131.25	0.47	41.93
3.489	12.0	4.7	0.95	7.13	132.81	0.52	41.93
3.528	12.0	4.7	0.92	7.17	129.41	0.49	41.93
3.55	12.0	4.7	0.99	7.22	126.01	0.49	41.93
3.552	12.0	4.7	0.72	7.23	126.62	0.46	41.93
3.563	12.0	4.7	0.8	7.21	132.72	0.52	41.93
3.609	12.0	4.7	0.95	7.25	138.7	0.53	41.93
3.679	12.0	4.7	1.03	7.33	138.02	0.48	41.93
3.708	12.0	4.7	0.84	7.3	125.66	0.53	41.93
3.712	12.0	4.7	0.95	7.24	137.64	0.49	41.93
3.778	12.0	4.7	1.03	7.22	143.04	0.38	41.93
3.87	12.0	4.7	0.95	7.26	159.61	0.53	41.93
3.956	12.0	4.7	1.14	7.3	147.35	0.49	41.93
4.001	12.0	4.7	0.99	7.32	132.26	0.52	41.93
4.01	12.0	4.7	0.95	7.31	129.11	0.53	41.93
4.012	12.0	4.7	0.8	7.28	133.06	0.52	41.93
4.038	12.0	4.7	0.8	7.25	165.34	0.52	41.92
4.098	12.0	4.7	0.92	7.28	189.39	0.54	41.93
4.175	12.0	4.7	0.99	7.39	164.46	0.63	41.93
4.208	12.0	4.7	0.92	7.33	240.62	0.63	41.93
4.28	12.0	4.7	0.99	7.35	205.63	0.52	41.93
4.346	12.0	4.7	0.88	7.37	192.0	0.58	41.93
4.383	12.0	4.7	0.95	7.37	197.87	0.51	41.93
4.401	12.0	4.7	0.95	7.33	181.48	0.51	41.93
4.413	12.0	4.7	0.88	7.29	172.22	0.58	41.93
4.433	12.0	4.7	0.76	7.26	232.67	0.59	41.93
4.492	12.0	4.7	0.76	7.27	197.59	0.59	41.93
4.579	12.0	4.7	0.99	7.33	212.31	0.59	41.93
4.656	12.0	4.7	0.92	7.38	212.95	0.61	41.93
4.695	12.0	4.7	0.99	7.19	197.32	0.61	41.93
4.726	12.0	4.7	0.72	7.14	203.35	0.59	41.93

4.781	12.0	4.7	0.84	7.09	226.6	0.63	41.93
4.851	12.0	4.7	0.76	7.05	252.27	0.65	41.93
4.906	12.0	4.7	0.92	7.04	221.41	0.6	41.93
4.929	12.0	4.7	0.84	6.99	197.04	0.59	41.93
4.935	12.0	4.7	0.88	6.95	216.99	0.63	41.93
4.954	12.0	4.7	1.03	6.96	189.43	0.6	41.93
4.997	12.0	4.7	1.03	7.94	188.99	0.63	41.93
5.062	12.0	4.7	0.95	7.99	216.49	0.66	41.93
5.144	12.0	4.7	0.92	7.84	216.29	0.58	41.93
5.209	12.0	4.7	1.18	7.66	205.11	0.6	41.93
5.229	12.0	4.7	0.99	7.25	193.02	0.67	41.93
5.246	12.0	4.7	1.03	7.0	173.46	0.63	41.93
5.292	12.0	4.7	0.88	6.72	189.87	0.63	41.93
5.36	12.0	4.7	0.99	6.44	210.7	0.63	41.93
5.429	12.0	4.7	0.8	6.5	203.07	0.66	41.93
5.483	12.0	4.7	0.95	6.58	195.09	0.64	41.93
5.527	12.0	4.7	0.95	6.63	204.11	0.71	41.93
5.557	12.0	4.7	0.95	6.67	187.34	0.66	41.93
5.574	12.0	4.7	1.03	6.69	188.34	0.61	41.93
5.606	12.0	4.7	0.95	6.72	195.05	0.65	41.93
5.659	12.0	4.7	0.92	6.73	196.68	0.65	41.93
5.718	12.0	4.7	0.95	6.74	196.91	0.71	41.93
5.77	12.0	4.7	0.76	6.75	191.28	0.69	41.93
5.813	12.0	4.7	0.72	6.76	185.78	0.63	41.93
5.849	12.0	4.7	0.88	6.76	207.16	0.69	41.93
5.869	12.0	4.7	0.95	6.76	191.82	0.69	41.93
5.896	12.0	4.7	0.84	6.76	158.1	0.67	41.93
5.95	12.0	4.7	0.99	6.75	144.61	0.62	41.93
5.985	12.0	4.7	1.14	6.74	153.09	0.68	41.93
5.989	12.01	4.7	0.92	6.73	181.9	0.68	41.93



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.98	4.69	0.04	6.51	115.41	0.33	41.87
PROF (metros)	0.54	0.54	0.54	0.558	0.895	0.758	0.587
MÁXIMO	11.99	11.99	1.07	8.06	559.8	0.95	41.88
PROF (metros)	0.587	0.54	0.587	4.236	0.54	6.613	0.54

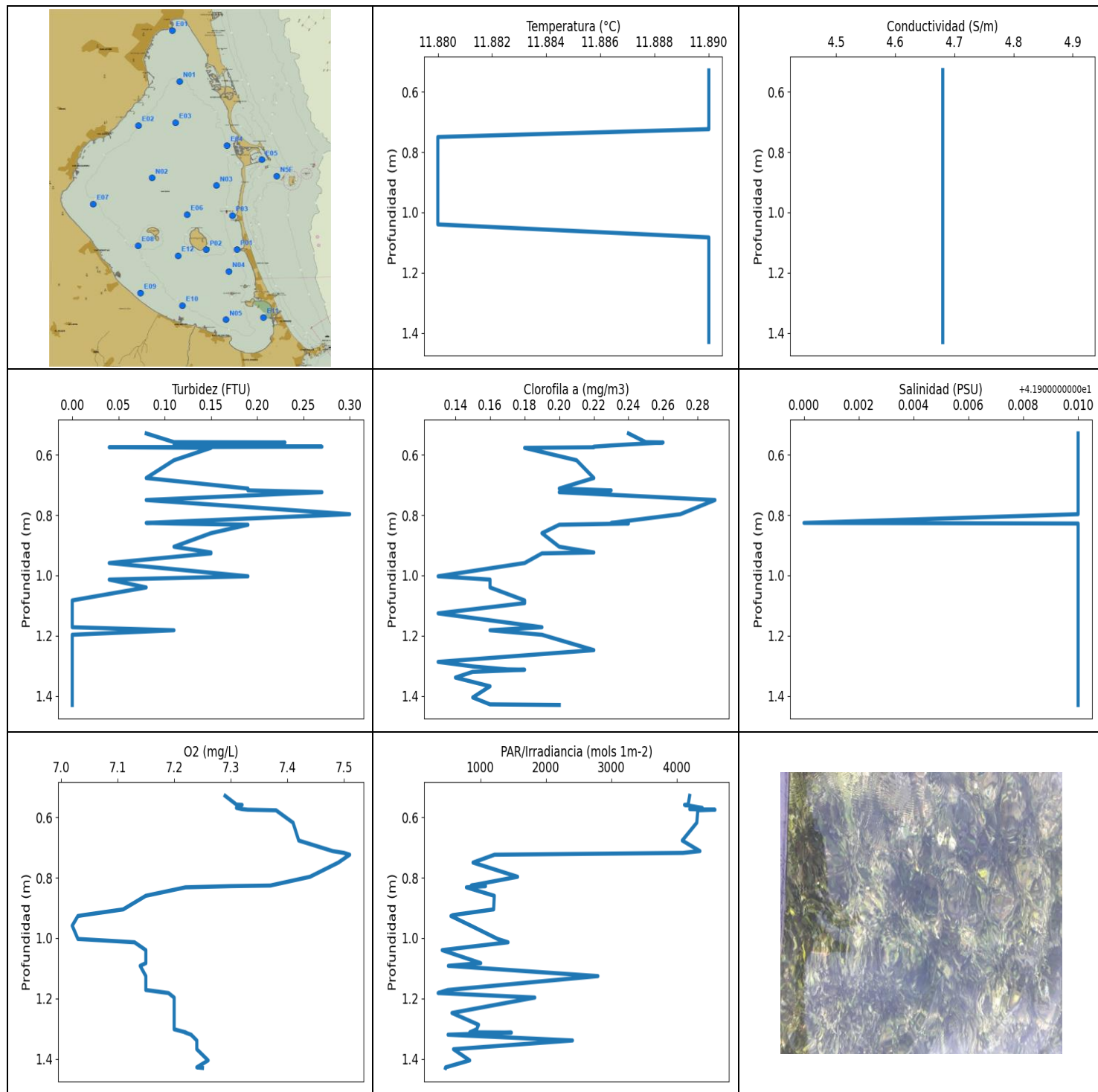
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E06 - Punto 016	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.99	4.69	0.65	6.69	365.41	0.4	41.87
1 - 2m	11.98	4.69	0.74	6.79	126.35	0.48	41.87
2 - 3m	11.99	4.69	0.78	7.09	127.55	0.53	41.87
3 - 4m	11.98	4.69	0.82	7.58	144.07	0.61	41.87
4 - 5m	11.98	4.69	0.8	7.63	194.3	0.72	41.87
5 - 6m	11.98	4.69	0.81	7.06	210.57	0.79	41.87
6 - 7m	11.98	4.69	0.79	6.94	174.31	0.91	41.87

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.54	11.98	4.69	0.04	6.52	559.8	0.47	41.88
0.558	11.98	4.69	0.92	6.51	549.9	0.42	41.88
0.587	11.99	4.69	1.07	6.65	548.75	0.41	41.87
0.626	11.99	4.69	0.99	6.67	536.43	0.38	41.87
0.65	11.99	4.69	0.3	6.68	538.3	0.4	41.87
0.687	11.99	4.69	0.65	6.72	410.16	0.37	41.87
0.758	11.98	4.69	0.53	6.73	131.22	0.33	41.87
0.816	11.98	4.69	0.76	6.75	142.48	0.36	41.87
0.895	11.98	4.69	0.65	6.83	115.41	0.45	41.87
0.994	11.98	4.69	0.57	6.87	121.64	0.46	41.87
1.072	11.98	4.69	0.76	6.89	126.36	0.44	41.87
1.13	11.98	4.69	0.69	6.9	119.11	0.43	41.87
1.166	11.98	4.69	0.69	6.9	121.14	0.5	41.87
1.182	11.98	4.69	0.69	6.88	127.06	0.5	41.87
1.202	11.98	4.69	0.61	6.86	126.09	0.51	41.87
1.244	11.98	4.69	0.69	6.82	126.83	0.5	41.87
1.31	11.98	4.69	0.8	6.79	124.76	0.48	41.87
1.381	11.98	4.69	0.69	6.76	124.76	0.48	41.87
1.438	11.98	4.69	0.8	6.74	133.18	0.47	41.87
1.469	11.98	4.69	0.8	6.73	131.07	0.47	41.87
1.487	11.98	4.69	0.65	6.72	121.31	0.49	41.87
1.511	11.98	4.69	0.72	6.7	129.56	0.46	41.87
1.552	11.98	4.69	0.84	6.7	126.8	0.48	41.87
1.604	11.98	4.69	0.72	6.72	133.06	0.44	41.87
1.655	11.98	4.69	0.8	6.73	133.52	0.5	41.87
1.697	11.98	4.69	0.72	6.74	126.86	0.45	41.87
1.728	11.98	4.69	0.8	6.75	126.59	0.54	41.87
1.756	11.98	4.69	0.69	6.75	125.22	0.48	41.87
1.79	11.98	4.69	0.84	6.77	123.84	0.5	41.87
1.823	11.98	4.69	0.72	6.79	128.04	0.49	41.87
1.859	11.98	4.69	0.76	6.8	125.02	0.47	41.87
1.901	11.98	4.69	0.8	6.82	127.24	0.49	41.87
1.938	11.98	4.69	0.69	6.82	125.31	0.5	41.87
1.966	11.98	4.69	0.8	6.84	122.44	0.5	41.87
1.997	11.98	4.69	0.72	6.86	123.46	0.49	41.87

2.039	11.98	4.69	0.8	6.88	125.48	0.52	41.87
2.079	11.98	4.69	0.92	6.9	121.36	0.49	41.87
2.111	11.98	4.69	0.76	6.91	121.73	0.52	41.87
2.141	11.98	4.69	0.84	6.92	124.61	0.5	41.87
2.169	11.98	4.69	0.92	6.96	127.3	0.48	41.87
2.203	11.98	4.69	0.69	6.98	128.9	0.47	41.87
2.252	11.99	4.69	0.8	7.0	126.04	0.51	41.87
2.304	11.99	4.69	0.76	7.03	122.35	0.51	41.87
2.341	11.99	4.69	0.84	7.02	121.36	0.54	41.87
2.375	11.99	4.69	0.76	7.04	126.42	0.52	41.87
2.405	11.99	4.69	0.72	7.05	129.53	0.54	41.87
2.429	11.99	4.69	0.65	7.05	129.86	0.5	41.87
2.464	11.99	4.69	0.76	7.07	126.12	0.53	41.87
2.506	11.99	4.69	0.72	7.11	125.72	0.53	41.87
2.556	11.99	4.69	0.72	7.13	127.59	0.54	41.87
2.614	11.99	4.69	0.76	7.17	129.98	0.53	41.87
2.668	11.99	4.69	0.8	7.19	124.7	0.56	41.87
2.699	11.99	4.69	0.69	7.19	125.34	0.53	41.87
2.705	11.99	4.69	0.65	7.17	129.68	0.53	41.87
2.721	11.99	4.69	0.72	7.14	135.52	0.57	41.87
2.768	11.99	4.69	0.76	7.14	134.58	0.61	41.87
2.829	11.99	4.69	0.84	7.16	129.14	0.58	41.87
2.88	11.99	4.69	0.88	7.23	126.07	0.56	41.87
2.922	11.99	4.69	0.84	7.26	126.97	0.59	41.87
2.956	11.98	4.69	0.88	7.26	129.86	0.53	41.87
2.969	11.98	4.69	0.76	7.29	132.97	0.58	41.87
2.974	11.98	4.69	0.69	7.3	134.77	0.56	41.87
3.0	11.98	4.69	0.95	7.31	136.15	0.54	41.87
3.065	11.98	4.69	0.88	7.33	135.9	0.56	41.87
3.147	11.98	4.69	0.69	7.39	130.98	0.55	41.87
3.181	11.98	4.69	0.72	7.4	136.46	0.57	41.87
3.211	11.98	4.69	0.88	7.38	142.01	0.53	41.87
3.277	11.98	4.69	0.88	7.38	143.54	0.59	41.87
3.366	11.98	4.69	0.65	7.45	139.24	0.59	41.87
3.455	11.98	4.69	0.88	7.62	136.91	0.64	41.87
3.518	11.98	4.69	0.8	7.74	138.34	0.63	41.87
3.549	11.98	4.69	0.84	7.81	137.32	0.62	41.87
3.569	11.98	4.69	0.69	7.83	139.34	0.61	41.87
3.596	11.98	4.69	0.92	7.83	145.34	0.59	41.87
3.642	11.98	4.69	0.8	7.8	147.04	0.61	41.87
3.693	11.98	4.69	0.88	7.8	146.97	0.64	41.87
3.74	11.98	4.69	0.76	7.75	149.76	0.66	41.87
3.782	11.98	4.69	0.84	7.67	142.91	0.67	41.87
3.813	11.98	4.69	0.88	7.62	151.75	0.63	41.87
3.831	11.98	4.69	0.76	7.59	148.99	0.6	41.87
3.858	11.98	4.69	0.84	7.54	151.33	0.63	41.87
3.913	11.98	4.69	0.84	7.52	165.22	0.64	41.87
3.978	11.98	4.69	0.76	7.52	160.02	0.65	41.87
4.037	11.98	4.69	0.88	7.58	168.55	0.68	41.88
4.09	11.98	4.69	0.84	7.74	173.58	0.68	41.87
4.138	11.98	4.69	0.76	7.87	159.83	0.64	41.88
4.187	11.98	4.69	0.76	7.96	164.91	0.69	41.88
4.236	11.98	4.69	0.76	8.06	175.56	0.73	41.87
4.265	11.98	4.69	0.8	8.06	159.69	0.67	41.87
4.283	11.98	4.69	0.69	7.95	192.17	0.71	41.87
4.318	11.98	4.69	0.8	7.82	193.11	0.75	41.87
4.375	11.98	4.69	0.72	7.77	178.73	0.75	41.87
4.435	11.98	4.69	0.72	7.74	185.09	0.68	41.87

4.483	11.98	4.69	0.88	7.75	171.94	0.72	41.87
4.51	11.98	4.69	0.76	7.72	171.98	0.68	41.87
4.533	11.98	4.69	0.92	7.64	198.88	0.55	41.87
4.563	11.98	4.69	0.8	7.57	230.63	0.75	41.87
4.595	11.98	4.69	0.8	7.49	206.59	0.7	41.87
4.635	11.98	4.69	0.76	7.42	196.86	0.73	41.87
4.686	11.98	4.69	0.72	7.36	201.9	0.72	41.87
4.726	11.98	4.69	0.69	7.31	255.86	0.76	41.87
4.74	11.98	4.69	0.99	7.24	197.18	0.71	41.87
4.741	11.98	4.69	0.84	7.16	172.5	0.77	41.87
4.753	11.98	4.69	0.92	7.14	201.48	0.78	41.87
4.797	11.98	4.69	0.76	7.16	222.75	0.78	41.87
4.858	11.98	4.69	0.76	7.24	209.14	0.77	41.88
4.918	11.98	4.69	0.69	7.57	242.69	0.8	41.88
4.966	11.98	4.69	0.92	8.05	225.66	0.76	41.88
4.993	11.99	4.69	0.84	7.95	194.59	0.79	41.87
5.021	11.99	4.69	0.72	7.83	217.09	0.76	41.87
5.059	11.99	4.69	0.69	7.73	248.61	0.75	41.87
5.11	11.98	4.69	0.84	7.54	229.99	0.78	41.87
5.159	11.98	4.69	0.8	7.31	203.12	0.74	41.87
5.205	11.98	4.69	0.76	7.08	197.46	0.79	41.87
5.252	11.98	4.69	0.84	6.87	218.81	0.79	41.87
5.286	11.98	4.69	0.88	6.77	228.13	0.78	41.88
5.304	11.98	4.69	0.8	6.83	212.21	0.79	41.87
5.312	11.98	4.69	0.69	6.87	205.96	0.78	41.87
5.333	11.98	4.69	0.88	6.89	205.49	0.78	41.87
5.394	11.98	4.69	0.88	6.93	213.79	0.76	41.87
5.478	11.98	4.69	0.69	6.96	220.08	0.81	41.87
5.532	11.98	4.69	0.88	6.98	212.61	0.77	41.87
5.545	11.98	4.69	0.84	6.99	205.3	0.77	41.87
5.549	11.98	4.69	0.72	7.0	209.48	0.77	41.87
5.576	11.98	4.69	0.95	7.0	219.98	0.76	41.87
5.607	11.98	4.69	0.84	7.0	220.18	0.82	41.87
5.646	11.98	4.69	0.8	7.0	214.69	0.8	41.87
5.707	11.98	4.69	0.72	6.99	197.0	0.78	41.88
5.753	11.98	4.69	0.8	6.96	207.4	0.85	41.87
5.796	11.98	4.69	0.69	6.96	199.8	0.86	41.87
5.88	11.98	4.69	0.76	6.97	184.28	0.84	41.88
5.963	11.98	4.69	0.95	6.97	191.2	0.85	41.88
5.986	11.98	4.69	0.95	6.94	191.11	0.85	41.87
6.026	11.98	4.69	0.76	6.94	173.1	0.89	41.87
6.109	11.98	4.69	0.76	6.94	181.78	0.9	41.87
6.208	11.98	4.69	0.8	6.95	194.64	0.9	41.87
6.276	11.98	4.69	0.8	6.94	189.87	0.91	41.87
6.301	11.98	4.69	0.72	6.94	172.62	0.9	41.87
6.307	11.98	4.69	0.84	6.94	165.34	0.85	41.88
6.337	11.98	4.69	0.8	6.94	169.41	0.9	41.87
6.396	11.98	4.69	0.69	6.94	170.79	0.93	41.87
6.478	11.98	4.69	0.88	6.94	176.09	0.9	41.87
6.549	11.98	4.69	0.76	6.94	174.87	0.94	41.87
6.588	11.98	4.69	0.72	6.94	172.78	0.87	41.87
6.613	11.98	4.69	0.84	6.94	170.63	0.95	41.87
6.623	11.98	4.69	0.88	6.94	158.47	0.9	41.87
6.626	11.98	4.69	0.76	6.94	168.08	0.92	41.87
6.631	11.98	4.69	0.8	6.93	172.14	0.94	41.87
6.637	11.98	4.69	0.8	6.92	174.31	0.9	41.87
6.64	11.98	4.69	0.8	6.9	178.35	0.94	41.87



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

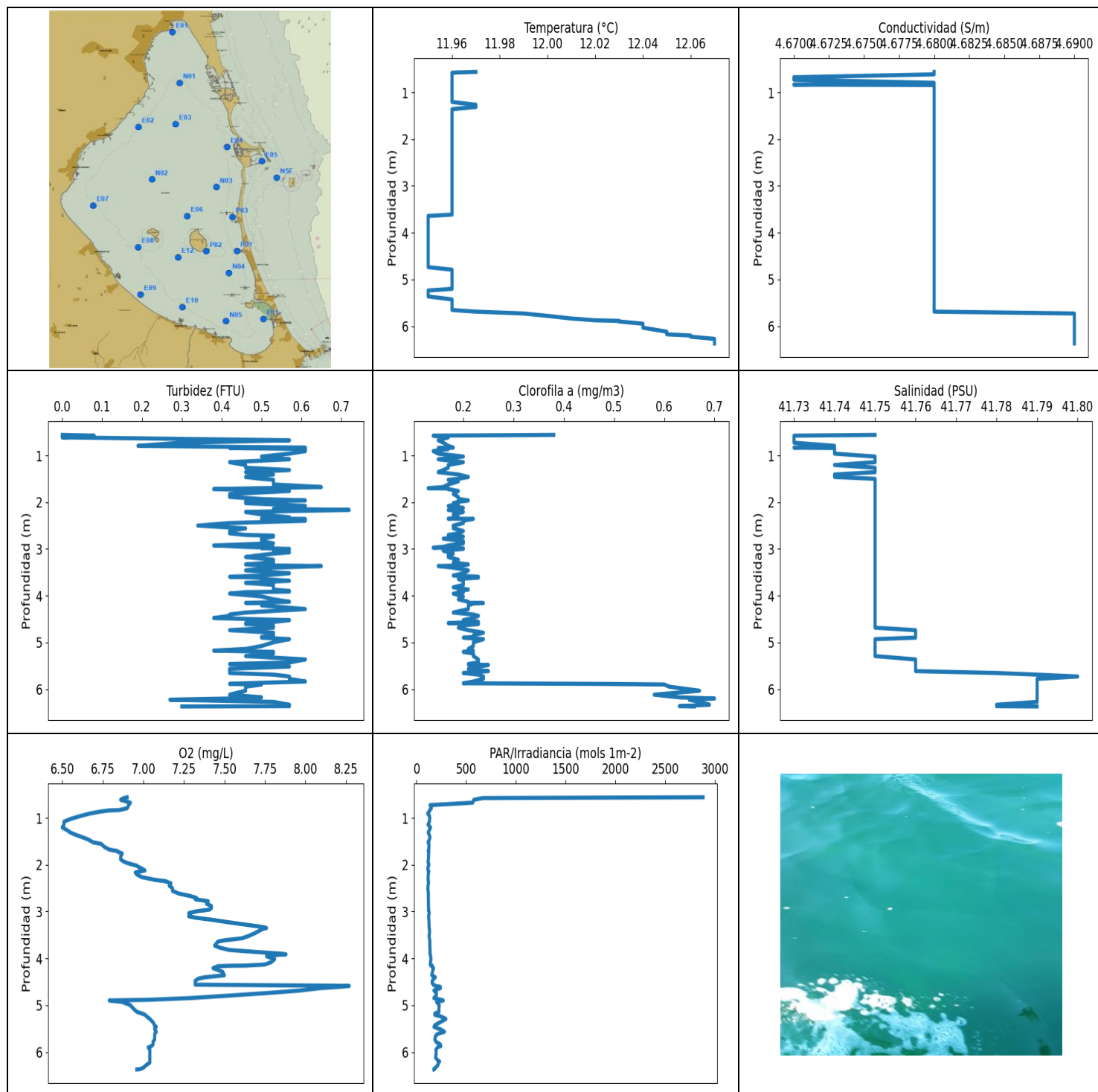
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	11.88	4.68	0.0	7.02	351.9	0.13	41.9
PROF (metros)	0.797	0.529	1.083	0.959	1.182	1.003	0.826
MÁXIMO	11.89	11.89	0.31	7.51	4585.8	0.29	41.91
PROF (metros)	0.529	0.529	0.797	0.724	0.575	0.75	0.529

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P03 - Punto 017	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.89	4.68	0.15	7.31	2619.01	0.22	41.91
1 - 2m	11.88	4.68	0.1	7.12	862.47	0.15	41.91

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.529	11.89	4.68	0.08	7.29	4198.2	0.24	41.91
0.558	11.89	4.68	0.11	7.31	4175.9	0.25	41.91
0.559	11.89	4.68	0.23	7.32	4120.1	0.26	41.91
0.569	11.89	4.68	0.11	7.31	4390.2	0.23	41.91
0.573	11.89	4.68	0.27	7.32	4200.1	0.22	41.91
0.575	11.89	4.68	0.04	7.33	4585.8	0.22	41.91
0.577	11.89	4.68	0.15	7.38	4323.6	0.18	41.91
0.618	11.89	4.68	0.11	7.41	4307.6	0.21	41.91
0.677	11.89	4.68	0.08	7.42	4085.9	0.22	41.91
0.712	11.89	4.68	0.19	7.48	4355.8	0.2	41.91
0.718	11.89	4.68	0.19	7.5	4095.3	0.23	41.91
0.724	11.89	4.68	0.27	7.51	1214.9	0.2	41.91
0.75	11.88	4.68	0.08	7.49	885.8	0.29	41.91
0.797	11.88	4.68	0.3	7.44	1567.3	0.27	41.91
0.826	11.88	4.68	0.08	7.37	860.11	0.23	41.9
0.828	11.88	4.68	0.11	7.3	1076.9	0.24	41.91
0.832	11.88	4.68	0.19	7.22	784.14	0.2	41.91
0.86	11.88	4.68	0.15	7.15	1210.9	0.19	41.91
0.905	11.88	4.68	0.11	7.11	1200.9	0.2	41.91
0.924	11.88	4.68	0.15	7.04	577.59	0.22	41.91
0.927	11.88	4.68	0.15	7.03	548.24	0.19	41.91
0.959	11.88	4.68	0.04	7.02	852.96	0.18	41.91
1.003	11.88	4.68	0.19	7.03	1262.5	0.13	41.91
1.014	11.88	4.68	0.04	7.13	1421.3	0.16	41.91
1.04	11.88	4.68	0.08	7.15	414.17	0.16	41.91
1.083	11.89	4.68	0.0	7.15	1003.7	0.18	41.91
1.092	11.89	4.68	0.0	7.14	508.58	0.18	41.91
1.126	11.89	4.68	0.0	7.15	2795.1	0.13	41.91
1.172	11.89	4.68	0.0	7.15	500.28	0.19	41.91
1.182	11.89	4.68	0.11	7.19	351.9	0.16	41.91
1.197	11.89	4.68	0.0	7.2	1830.6	0.19	41.91
1.248	11.89	4.68	0.0	7.2	563.58	0.22	41.91
1.287	11.89	4.68	0.0	7.2	970.5	0.13	41.91
1.302	11.89	4.68	0.0	7.2	941.7	0.15	41.91
1.312	11.89	4.68	0.0	7.22	836.9	0.17	41.91
1.313	11.89	4.68	0.0	7.22	1472.6	0.18	41.91
1.32	11.89	4.68	0.0	7.23	504.12	0.15	41.91
1.339	11.89	4.68	0.0	7.24	2406.5	0.14	41.91
1.368	11.89	4.68	0.0	7.24	587.31	0.16	41.91
1.405	11.89	4.68	0.0	7.26	834.58	0.15	41.91

1.428	11.89	4.68	0.0	7.24	466.89	0.16	41.91
1.43	11.89	4.68	0.0	7.25	464.2	0.2	41.91



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.95	4.67	0.0	6.5	111.54	0.13	41.73
PROF (metros)	3.642	0.676	0.561	1.205	0.908	1.701	0.577
MÁXIMO	12.07	12.07	0.73	8.27	2882.0	0.7	41.8
PROF (metros)	6.272	5.729	2.167	4.586	0.561	6.2	5.729

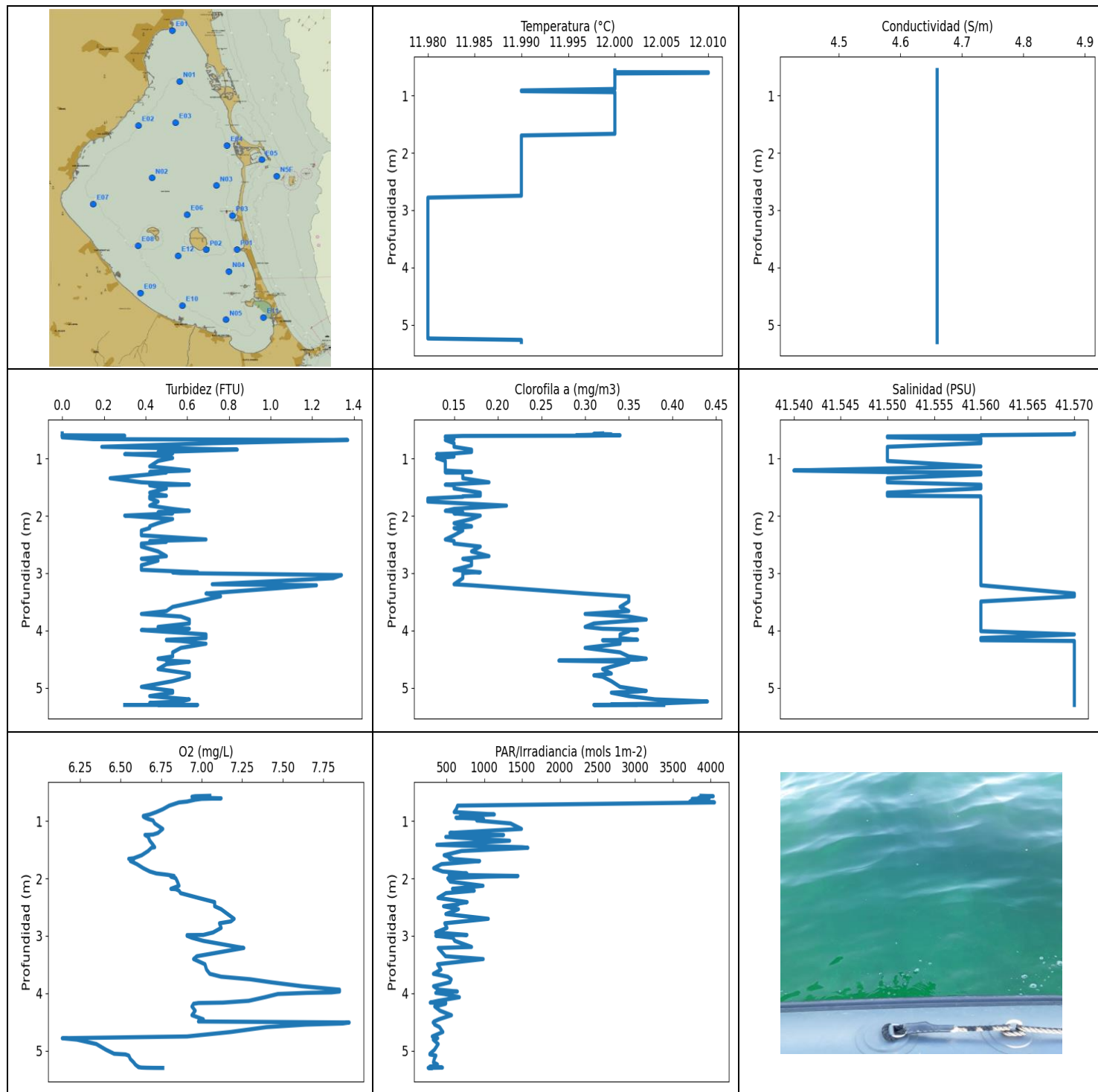
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N03 - Punto 018	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	11.96	4.68	0.44	6.81	239.12	0.16	41.74
1 - 2m	11.96	4.68	0.5	6.72	123.47	0.18	41.75
2 - 3m	11.96	4.68	0.51	7.18	118.58	0.19	41.75
3 - 4m	11.96	4.68	0.52	7.57	130.39	0.19	41.75
4 - 5m	11.95	4.68	0.5	7.51	183.08	0.21	41.75
5 - 6m	11.98	4.68	0.5	7.04	214.75	0.26	41.77
6 - 7m	12.06	4.69	0.45	7.02	200.95	0.65	41.79

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.561	11.97	4.68	0.0	6.9	2882.0	0.38	41.75
0.577	11.96	4.68	0.08	6.88	667.94	0.14	41.73
0.614	11.96	4.68	0.0	6.86	576.79	0.17	41.73
0.676	11.96	4.67	0.57	6.92	564.23	0.15	41.73
0.728	11.96	4.67	0.3	6.91	136.02	0.16	41.73
0.795	11.96	4.68	0.19	6.9	149.17	0.17	41.74
0.834	11.96	4.67	0.61	6.85	132.38	0.18	41.73
0.841	11.96	4.68	0.42	6.79	129.89	0.15	41.74
0.863	11.96	4.68	0.61	6.74	129.29	0.17	41.74
0.908	11.96	4.68	0.61	6.67	111.54	0.14	41.74
0.962	11.96	4.68	0.57	6.61	131.62	0.15	41.74
1.024	11.96	4.68	0.5	6.55	132.05	0.2	41.75
1.083	11.96	4.68	0.57	6.51	129.08	0.15	41.75
1.145	11.96	4.68	0.42	6.51	115.41	0.2	41.75
1.205	11.96	4.68	0.46	6.5	140.9	0.17	41.74
1.263	11.97	4.68	0.46	6.53	128.39	0.17	41.75
1.313	11.97	4.68	0.57	6.55	116.62	0.16	41.75
1.358	11.96	4.68	0.46	6.58	127.36	0.15	41.75
1.408	11.96	4.68	0.53	6.62	134.49	0.19	41.74
1.461	11.96	4.68	0.46	6.66	130.37	0.21	41.74
1.501	11.96	4.68	0.5	6.68	119.69	0.19	41.75
1.521	11.96	4.68	0.53	6.69	115.62	0.17	41.75
1.556	11.96	4.68	0.53	6.74	124.61	0.19	41.75
1.621	11.96	4.68	0.53	6.76	124.61	0.17	41.75
1.677	11.96	4.68	0.65	6.79	122.92	0.16	41.75
1.701	11.96	4.68	0.5	6.83	116.95	0.13	41.75
1.708	11.96	4.68	0.46	6.84	117.49	0.17	41.75
1.72	11.96	4.68	0.38	6.84	123.95	0.17	41.75
1.761	11.96	4.68	0.57	6.87	120.58	0.19	41.75
1.826	11.96	4.68	0.42	6.86	120.58	0.18	41.75
1.888	11.96	4.68	0.42	6.86	119.22	0.19	41.75
1.933	11.96	4.68	0.5	6.88	115.22	0.19	41.75
1.963	11.96	4.68	0.61	6.9	118.75	0.21	41.75
1.993	11.96	4.68	0.46	6.93	124.87	0.19	41.75
2.021	11.96	4.68	0.46	6.96	121.11	0.18	41.75

2.047	11.96	4.68	0.53	6.97	115.25	0.19	41.75
2.081	11.96	4.68	0.61	6.99	114.11	0.17	41.75
2.123	11.96	4.68	0.57	7.01	115.73	0.2	41.75
2.139	11.96	4.68	0.57	6.99	122.66	0.19	41.75
2.142	11.96	4.68	0.53	6.98	123.78	0.18	41.75
2.167	11.96	4.68	0.72	6.95	119.6	0.17	41.75
2.209	11.96	4.68	0.46	6.96	117.98	0.2	41.75
2.264	11.96	4.68	0.5	6.99	116.4	0.18	41.75
2.323	11.96	4.68	0.57	7.07	115.95	0.19	41.75
2.353	11.96	4.68	0.5	7.14	118.47	0.17	41.75
2.357	11.96	4.68	0.61	7.14	120.27	0.22	41.75
2.397	11.96	4.68	0.61	7.17	118.97	0.2	41.75
2.447	11.96	4.68	0.42	7.16	116.13	0.2	41.75
2.501	11.96	4.68	0.34	7.18	113.9	0.18	41.75
2.559	11.96	4.68	0.46	7.18	116.16	0.18	41.75
2.617	11.96	4.68	0.42	7.22	118.72	0.2	41.75
2.668	11.96	4.68	0.42	7.29	119.02	0.19	41.75
2.701	11.96	4.68	0.46	7.32	118.23	0.17	41.75
2.716	11.96	4.68	0.53	7.33	117.71	0.19	41.75
2.736	11.96	4.68	0.53	7.32	119.08	0.2	41.75
2.78	11.96	4.68	0.5	7.4	119.05	0.16	41.75
2.832	11.96	4.68	0.5	7.39	119.74	0.2	41.75
2.882	11.96	4.68	0.53	7.42	119.47	0.2	41.75
2.925	11.96	4.68	0.38	7.42	121.59	0.17	41.75
2.956	11.96	4.68	0.46	7.41	120.69	0.16	41.75
2.973	11.96	4.68	0.53	7.38	119.58	0.14	41.75
2.984	11.96	4.68	0.5	7.35	120.91	0.2	41.75
3.0	11.96	4.68	0.57	7.32	124.99	0.2	41.75
3.036	11.96	4.68	0.53	7.28	127.0	0.16	41.75
3.072	11.96	4.68	0.57	7.29	123.55	0.17	41.75
3.101	11.96	4.68	0.53	7.28	121.59	0.18	41.75
3.13	11.96	4.68	0.5	7.32	122.1	0.17	41.75
3.174	11.96	4.68	0.46	7.42	123.84	0.17	41.75
3.231	11.96	4.68	0.53	7.53	125.45	0.19	41.75
3.289	11.96	4.68	0.53	7.65	126.21	0.18	41.75
3.332	11.96	4.68	0.46	7.74	126.5	0.21	41.75
3.352	11.96	4.68	0.5	7.76	126.18	0.2	41.75
3.366	11.96	4.68	0.65	7.74	128.81	0.15	41.75
3.401	11.96	4.68	0.53	7.72	130.77	0.18	41.75
3.459	11.96	4.68	0.46	7.69	130.22	0.21	41.75
3.521	11.96	4.68	0.57	7.65	127.45	0.2	41.75
3.57	11.96	4.68	0.5	7.61	128.69	0.18	41.75
3.595	11.96	4.68	0.42	7.55	131.71	0.23	41.75
3.614	11.96	4.68	0.5	7.5	133.62	0.23	41.75
3.642	11.95	4.68	0.5	7.46	133.62	0.19	41.75
3.682	11.95	4.68	0.57	7.45	133.71	0.2	41.75
3.726	11.95	4.68	0.46	7.44	133.34	0.2	41.75
3.77	11.95	4.68	0.53	7.47	135.11	0.2	41.75
3.82	11.95	4.68	0.53	7.53	136.18	0.18	41.75
3.869	11.95	4.68	0.53	7.72	136.31	0.21	41.75
3.899	11.95	4.68	0.57	7.85	135.08	0.19	41.75
3.913	11.95	4.68	0.57	7.88	136.81	0.19	41.75
3.924	11.95	4.68	0.46	7.83	139.63	0.2	41.75
3.955	11.95	4.68	0.42	7.76	141.98	0.18	41.75
4.016	11.95	4.68	0.5	7.81	144.91	0.2	41.75
4.078	11.95	4.68	0.53	7.79	140.8	0.19	41.75
4.131	11.95	4.68	0.57	7.75	137.58	0.21	41.75
4.154	11.95	4.68	0.46	7.63	156.83	0.21	41.75

4.157	11.95	4.68	0.53	7.54	157.3	0.24	41.75
4.167	11.95	4.68	0.53	7.46	150.17	0.22	41.75
4.208	11.95	4.68	0.5	7.43	170.91	0.21	41.75
4.287	11.95	4.68	0.61	7.49	159.69	0.21	41.75
4.361	11.95	4.68	0.46	7.5	153.2	0.18	41.75
4.403	11.95	4.68	0.42	7.38	188.99	0.22	41.75
4.432	11.95	4.68	0.42	7.34	174.91	0.23	41.75
4.478	11.95	4.68	0.38	7.32	158.54	0.22	41.75
4.523	11.95	4.68	0.57	7.32	157.15	0.2	41.75
4.561	11.95	4.68	0.53	7.32	169.06	0.23	41.75
4.586	11.95	4.68	0.46	8.27	188.34	0.17	41.75
4.606	11.95	4.68	0.46	8.22	239.29	0.23	41.75
4.635	11.95	4.68	0.53	8.09	240.01	0.2	41.75
4.685	11.95	4.68	0.53	7.97	175.0	0.19	41.75
4.738	11.95	4.68	0.42	7.77	199.71	0.21	41.76
4.792	11.96	4.68	0.53	7.54	198.56	0.24	41.76
4.847	11.96	4.68	0.53	7.29	174.19	0.22	41.76
4.883	11.96	4.68	0.5	7.04	243.48	0.22	41.76
4.898	11.96	4.68	0.5	6.79	268.56	0.2	41.76
4.93	11.96	4.68	0.57	6.87	201.9	0.24	41.75
4.998	11.96	4.68	0.53	6.92	227.97	0.22	41.75
5.077	11.96	4.68	0.5	6.94	224.46	0.22	41.75
5.14	11.96	4.68	0.46	6.96	225.71	0.21	41.75
5.175	11.96	4.68	0.38	6.99	185.48	0.22	41.75
5.202	11.96	4.68	0.53	7.01	183.04	0.2	41.75
5.236	11.95	4.68	0.53	7.02	242.24	0.22	41.75
5.292	11.95	4.68	0.46	7.04	295.2	0.22	41.75
5.364	11.95	4.68	0.61	7.06	234.89	0.23	41.76
5.428	11.96	4.68	0.57	7.07	183.47	0.23	41.76
5.462	11.96	4.68	0.42	7.08	175.56	0.21	41.76
5.471	11.96	4.68	0.53	7.07	190.53	0.21	41.76
5.483	11.96	4.68	0.46	7.07	198.65	0.25	41.76
5.515	11.96	4.68	0.57	7.07	242.41	0.23	41.76
5.565	11.96	4.68	0.42	7.08	280.98	0.21	41.76
5.614	11.96	4.68	0.42	7.07	210.94	0.25	41.76
5.654	11.96	4.68	0.42	7.07	190.93	0.2	41.78
5.689	11.97	4.68	0.53	7.07	188.51	0.23	41.79
5.729	11.99	4.69	0.57	7.07	184.19	0.24	41.8
5.78	12.0	4.69	0.57	7.06	195.27	0.24	41.79
5.836	12.01	4.69	0.61	7.06	239.17	0.22	41.79
5.874	12.02	4.69	0.46	7.05	244.27	0.2	41.79
5.887	12.03	4.69	0.42	7.04	216.44	0.47	41.79
5.9	12.03	4.69	0.5	7.03	211.67	0.6	41.79
5.947	12.04	4.69	0.46	7.04	195.32	0.61	41.79
6.033	12.04	4.69	0.46	7.04	197.14	0.67	41.79
6.118	12.05	4.69	0.42	7.04	191.73	0.58	41.79
6.175	12.05	4.69	0.5	7.04	213.35	0.63	41.79
6.2	12.06	4.69	0.42	7.04	232.29	0.7	41.79
6.225	12.06	4.69	0.27	7.04	218.25	0.65	41.79
6.272	12.07	4.69	0.53	7.02	216.79	0.67	41.79
6.333	12.07	4.69	0.57	7.0	191.86	0.69	41.78
6.364	12.07	4.69	0.57	6.98	173.14	0.63	41.78
6.37	12.07	4.69	0.3	6.96	173.98	0.66	41.79



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	11.98	4.66	0.0	6.14	255.98	0.12	41.54
PROF (metros)	2.782	0.563	0.563	4.783	5.299	1.698	1.21
MÁXIMO	12.01	12.01	1.37	7.91	4052.8	0.44	41.57
PROF (metros)	0.596	0.563	0.678	4.509	0.678	5.239	0.563

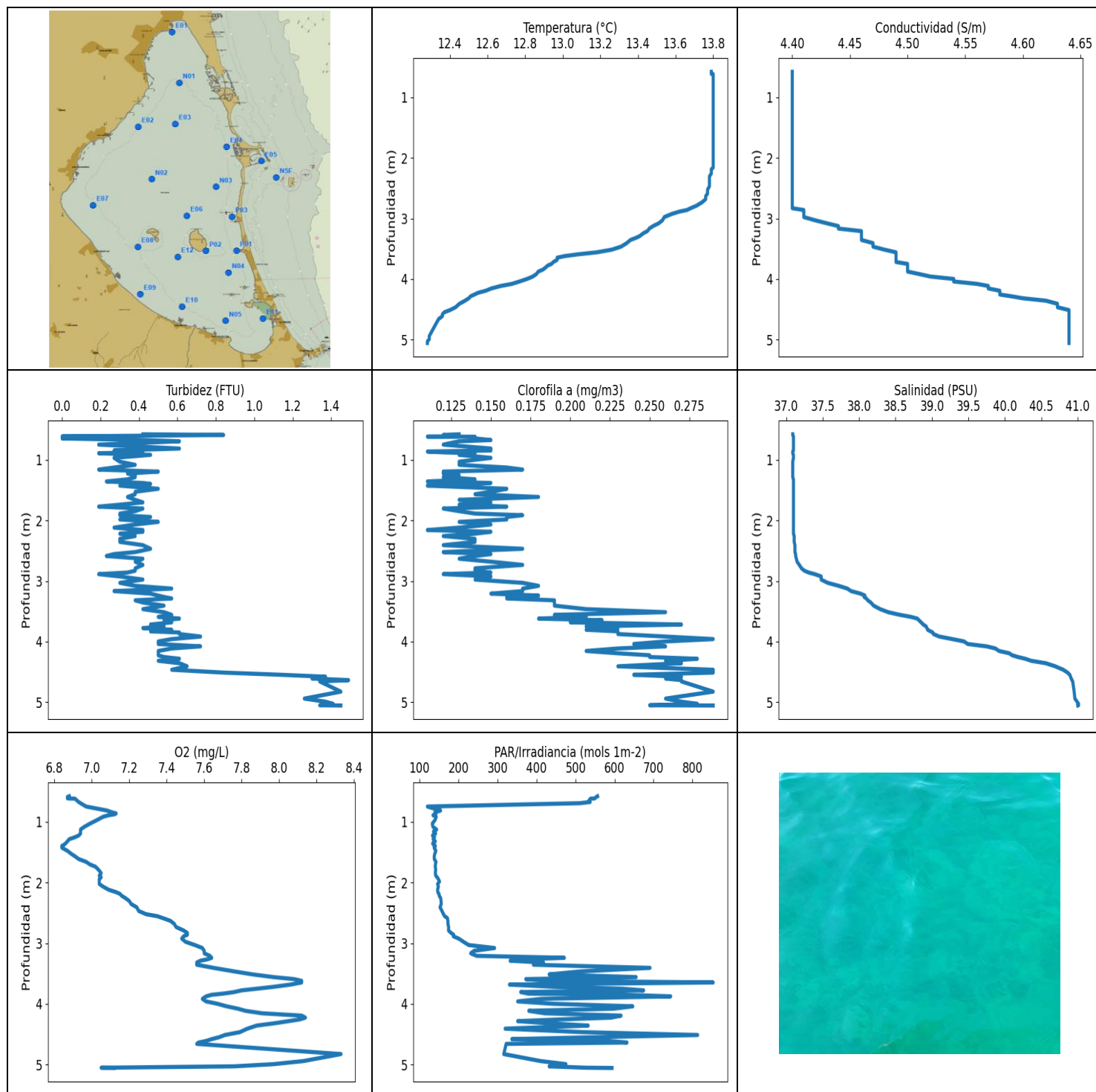
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E04 - Punto 019	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.0	4.66	0.53	6.76	1570.96	0.16	41.55
1 - 2m	12.0	4.66	0.45	6.69	840.84	0.16	41.56
2 - 3m	11.99	4.66	0.46	7.01	624.77	0.16	41.56
3 - 4m	11.98	4.66	0.69	7.28	506.76	0.28	41.56
4 - 5m	11.98	4.66	0.55	7.05	402.21	0.33	41.57
5 - 6m	11.99	4.66	0.5	6.6	326.89	0.36	41.57

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.563	12.0	4.66	0.0	7.05	3874.6	0.32	41.57
0.57	12.0	4.66	0.0	6.96	4036.0	0.31	41.57
0.579	12.0	4.66	0.0	6.94	3910.7	0.33	41.57
0.594	12.0	4.66	0.0	6.96	3914.4	0.29	41.56
0.596	12.01	4.66	0.0	7.0	3844.2	0.34	41.56
0.603	12.01	4.66	0.3	7.07	3983.0	0.3	41.56
0.607	12.01	4.66	0.0	7.12	3939.8	0.16	41.56
0.616	12.0	4.66	0.0	7.0	3756.2	0.14	41.55
0.631	12.0	4.66	0.0	6.96	3800.8	0.14	41.55
0.663	12.0	4.66	0.15	6.91	3724.1	0.15	41.56
0.678	12.0	4.66	1.37	6.86	4052.8	0.14	41.56
0.734	12.0	4.66	0.72	6.8	646.61	0.15	41.56
0.797	12.0	4.66	0.19	6.76	628.0	0.15	41.55
0.846	12.0	4.66	0.84	6.72	600.81	0.17	41.55
0.887	12.0	4.66	0.46	6.68	1133.5	0.17	41.55
0.913	11.99	4.66	0.53	6.64	682.33	0.15	41.55
0.925	11.99	4.66	0.3	6.64	885.39	0.13	41.55
0.943	12.0	4.66	0.42	6.65	624.37	0.14	41.55
0.967	12.0	4.66	0.5	6.67	990.73	0.15	41.55
0.992	12.0	4.66	0.53	6.7	899.88	0.13	41.55
1.044	12.0	4.66	0.46	6.71	1348.1	0.14	41.55
1.139	12.0	4.66	0.42	6.76	1493.2	0.14	41.56
1.21	12.0	4.66	0.61	6.73	543.94	0.14	41.54
1.237	12.0	4.66	0.42	6.7	760.86	0.17	41.55
1.241	12.0	4.66	0.46	6.68	968.26	0.14	41.55
1.244	12.0	4.66	0.5	6.65	1255.8	0.16	41.56
1.278	12.0	4.66	0.42	6.67	489.84	0.16	41.56
1.345	12.0	4.66	0.23	6.68	1335.4	0.16	41.55
1.416	12.0	4.66	0.38	6.7	370.99	0.19	41.55
1.458	12.0	4.66	0.61	6.71	1501.9	0.14	41.56
1.468	12.0	4.66	0.42	6.69	1577.9	0.15	41.56
1.523	12.0	4.66	0.5	6.67	699.14	0.15	41.56
1.597	12.0	4.66	0.42	6.63	467.54	0.18	41.55
1.65	12.0	4.66	0.5	6.58	573.46	0.18	41.55
1.66	12.0	4.66	0.42	6.55	538.42	0.16	41.56
1.669	12.0	4.66	0.42	6.58	654.15	0.16	41.56

1.698	11.99	4.66	0.42	6.56	938.21	0.12	41.56
1.752	11.99	4.66	0.46	6.6	432.41	0.12	41.56
1.823	11.99	4.66	0.42	6.64	328.94	0.21	41.56
1.88	11.99	4.66	0.53	6.68	448.85	0.15	41.56
1.914	11.99	4.66	0.61	6.72	769.02	0.14	41.56
1.938	11.99	4.66	0.46	6.79	535.31	0.16	41.56
1.958	11.99	4.66	0.53	6.83	1446.2	0.15	41.56
1.97	11.99	4.66	0.46	6.81	1026.5	0.16	41.56
1.997	11.99	4.66	0.3	6.84	516.54	0.18	41.56
2.056	11.99	4.66	0.53	6.85	548.62	0.17	41.56
2.129	11.99	4.66	0.46	6.86	982.95	0.15	41.56
2.182	11.99	4.66	0.42	6.81	578.26	0.17	41.56
2.188	11.99	4.66	0.42	6.84	606.12	0.17	41.56
2.214	11.99	4.66	0.42	6.86	866.91	0.15	41.56
2.257	11.99	4.66	0.38	6.87	491.89	0.16	41.56
2.34	11.99	4.66	0.38	6.98	386.53	0.15	41.56
2.413	11.99	4.66	0.69	7.08	772.95	0.14	41.56
2.44	11.99	4.66	0.42	7.08	652.78	0.15	41.56
2.454	11.99	4.66	0.5	7.08	652.48	0.15	41.56
2.485	11.99	4.66	0.38	7.08	459.49	0.15	41.56
2.537	11.99	4.66	0.38	7.12	657.49	0.18	41.56
2.621	11.99	4.66	0.46	7.16	490.75	0.17	41.56
2.704	11.99	4.66	0.5	7.2	1052.8	0.19	41.56
2.749	11.99	4.66	0.38	7.18	723.2	0.16	41.56
2.782	11.98	4.66	0.46	7.11	476.4	0.17	41.56
2.863	11.98	4.66	0.38	7.12	505.41	0.17	41.56
2.942	11.98	4.66	0.38	7.07	355.26	0.15	41.56
2.985	11.98	4.66	0.65	7.01	769.91	0.18	41.56
2.988	11.98	4.66	0.53	6.91	465.27	0.17	41.56
3.0	11.98	4.66	0.57	6.91	357.98	0.16	41.56
3.034	11.98	4.66	1.34	6.94	584.19	0.16	41.56
3.088	11.98	4.66	1.3	7.01	608.8	0.16	41.56
3.194	11.98	4.66	0.72	7.22	831.11	0.15	41.56
3.212	11.98	4.66	1.22	7.26	389.68	0.17	41.56
3.356	11.98	4.66	0.69	6.97	486.22	0.3	41.57
3.405	11.98	4.66	0.76	6.95	985.69	0.35	41.57
3.495	11.98	4.66	0.65	7.02	381.1	0.35	41.56
3.589	11.98	4.66	0.53	7.03	425.16	0.34	41.56
3.662	11.98	4.66	0.5	7.05	325.76	0.35	41.56
3.712	11.98	4.66	0.38	7.12	515.7	0.3	41.56
3.757	11.98	4.66	0.57	7.3	561.1	0.35	41.56
3.81	11.98	4.66	0.61	7.43	544.07	0.37	41.56
3.878	11.98	4.66	0.61	7.62	327.42	0.31	41.56
3.938	11.98	4.66	0.46	7.85	393.31	0.3	41.56
3.97	11.98	4.66	0.61	7.85	642.87	0.32	41.56
3.985	11.98	4.66	0.57	7.8	404.77	0.36	41.56
3.993	11.98	4.66	0.38	7.65	356.74	0.35	41.56
4.013	11.98	4.66	0.46	7.47	469.82	0.35	41.56
4.069	11.98	4.66	0.69	7.39	670.11	0.34	41.57
4.132	11.98	4.66	0.69	7.29	387.78	0.34	41.56
4.163	11.98	4.66	0.5	7.13	283.27	0.36	41.56
4.17	11.98	4.66	0.5	6.98	489.61	0.32	41.56
4.183	11.98	4.66	0.57	6.95	486.33	0.34	41.57
4.231	11.98	4.66	0.69	6.94	343.2	0.34	41.57
4.304	11.98	4.66	0.57	6.96	413.78	0.3	41.57
4.382	11.98	4.66	0.53	6.94	565.01	0.34	41.57
4.453	11.98	4.66	0.53	7.01	399.92	0.35	41.57
4.491	11.98	4.66	0.46	6.98	334.63	0.37	41.57

4.509	11.98	4.66	0.5	7.91	322.3	0.36	41.57
4.526	11.98	4.66	0.5	7.87	337.99	0.27	41.57
4.546	11.98	4.66	0.61	7.64	341.69	0.35	41.57
4.589	11.98	4.66	0.5	7.4	406.28	0.34	41.57
4.674	11.98	4.66	0.46	7.18	450.42	0.32	41.57
4.752	11.98	4.66	0.61	6.91	310.57	0.33	41.57
4.783	11.98	4.66	0.61	6.14	382.25	0.31	41.57
4.807	11.98	4.66	0.61	6.23	323.65	0.32	41.57
4.884	11.98	4.66	0.53	6.35	388.77	0.33	41.57
4.984	11.98	4.66	0.38	6.41	339.08	0.34	41.57
5.053	11.98	4.66	0.53	6.46	279.61	0.37	41.57
5.065	11.98	4.66	0.53	6.53	278.51	0.36	41.57
5.085	11.98	4.66	0.53	6.55	357.82	0.33	41.57
5.145	11.98	4.66	0.42	6.56	337.05	0.35	41.57
5.202	11.98	4.66	0.61	6.58	325.98	0.38	41.57
5.239	11.98	4.66	0.57	6.59	378.9	0.44	41.57
5.264	11.99	4.66	0.42	6.6	334.94	0.4	41.57
5.279	11.99	4.66	0.5	6.61	275.18	0.38	41.57
5.287	11.99	4.66	0.53	6.61	295.34	0.34	41.57
5.29	11.99	4.66	0.5	6.62	389.49	0.33	41.57
5.294	11.99	4.66	0.46	6.63	445.02	0.36	41.57
5.297	11.99	4.66	0.46	6.66	325.0	0.33	41.57
5.299	11.99	4.66	0.65	6.7	255.98	0.31	41.57
5.3	11.99	4.66	0.3	6.76	297.67	0.39	41.57



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.28	4.4	0.0	6.84	120.13	0.11	37.09
PROF (metros)	5.027	0.579	0.614	1.398	0.749	0.617	0.579
MÁXIMO	13.8	13.8	1.49	8.33	853.16	0.29	41.01
PROF (metros)	0.617	4.511	4.635	4.825	3.646	3.958	5.027

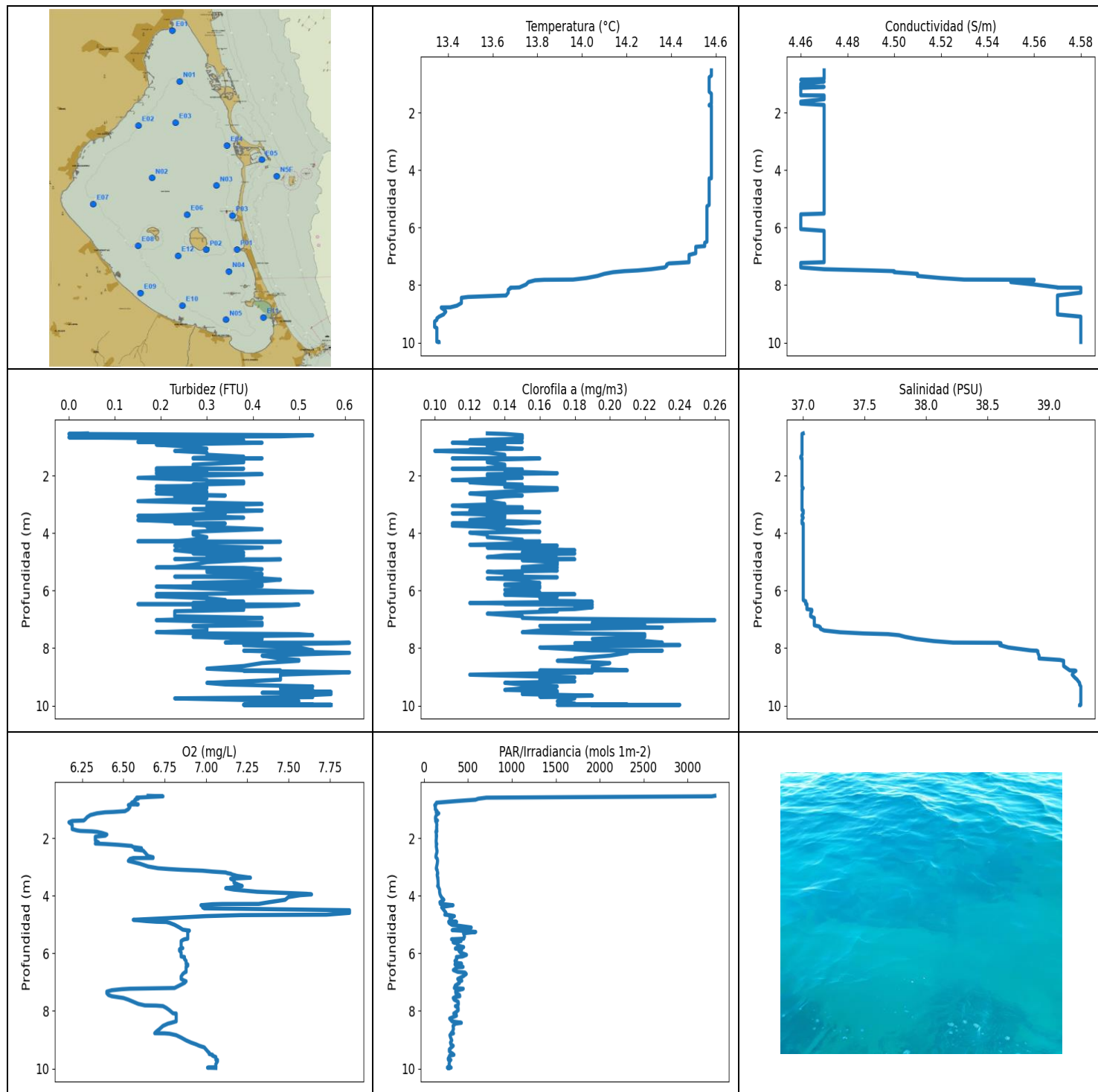
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E05 - Punto 020	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	13.8	4.4	0.39	7.0	311.22	0.13	37.1
1 - 2m	13.8	4.4	0.35	6.95	139.68	0.14	37.1
2 - 3m	13.74	4.4	0.36	7.31	166.23	0.14	37.18
3 - 4m	13.16	4.48	0.5	7.74	448.76	0.21	38.53
4 - 5m	12.47	4.61	0.87	7.87	490.81	0.26	40.5
5 - 6m	12.28	4.64	1.4	7.31	517.73	0.28	41.01

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.579	13.79	4.4	0.42	6.88	556.57	0.13	37.09
0.59	13.79	4.4	0.84	6.87	553.86	0.12	37.09
0.614	13.79	4.4	0.0	6.87	549.26	0.13	37.1
0.617	13.8	4.4	0.23	6.88	547.48	0.11	37.1
0.619	13.8	4.4	0.11	6.91	538.67	0.14	37.1
0.647	13.8	4.4	0.0	6.92	534.69	0.14	37.1
0.674	13.8	4.4	0.42	6.93	537.67	0.15	37.1
0.694	13.8	4.4	0.61	6.94	511.3	0.13	37.1
0.749	13.8	4.4	0.19	6.97	120.13	0.12	37.1
0.814	13.8	4.4	0.61	7.08	153.94	0.15	37.1
0.846	13.8	4.4	0.27	7.11	139.31	0.15	37.1
0.863	13.8	4.4	0.42	7.13	139.18	0.11	37.09
0.877	13.8	4.4	0.38	7.12	141.72	0.12	37.09
0.892	13.8	4.4	0.19	7.09	134.49	0.14	37.09
0.918	13.8	4.4	0.46	7.06	142.71	0.13	37.1
0.968	13.8	4.4	0.27	7.03	140.09	0.15	37.1
1.031	13.8	4.4	0.3	6.99	132.69	0.13	37.09
1.083	13.8	4.4	0.38	6.96	134.36	0.13	37.09
1.127	13.8	4.4	0.27	6.94	143.87	0.16	37.09
1.161	13.8	4.4	0.19	6.94	135.68	0.17	37.09
1.194	13.8	4.4	0.5	6.94	141.23	0.12	37.09
1.226	13.8	4.4	0.34	6.93	133.15	0.12	37.09
1.254	13.8	4.4	0.38	6.91	138.41	0.13	37.09
1.286	13.8	4.4	0.38	6.88	134.74	0.12	37.09
1.322	13.8	4.4	0.34	6.87	140.38	0.14	37.1
1.357	13.8	4.4	0.23	6.86	133.62	0.11	37.1
1.382	13.8	4.4	0.42	6.85	136.46	0.15	37.1
1.398	13.8	4.4	0.46	6.84	140.54	0.14	37.1
1.426	13.8	4.4	0.3	6.84	137.42	0.11	37.1
1.478	13.8	4.4	0.5	6.87	141.88	0.16	37.1
1.527	13.8	4.4	0.38	6.89	139.05	0.15	37.1
1.568	13.8	4.4	0.38	6.91	137.67	0.14	37.1
1.613	13.8	4.4	0.34	6.93	137.86	0.18	37.1
1.66	13.8	4.4	0.38	6.97	142.08	0.13	37.1
1.702	13.8	4.4	0.42	6.99	140.8	0.15	37.1
1.74	13.8	4.4	0.3	7.02	140.25	0.13	37.1

1.772	13.8	4.4	0.19	7.03	141.19	0.16	37.1
1.804	13.8	4.4	0.42	7.04	141.1	0.12	37.1
1.847	13.8	4.4	0.38	7.05	140.57	0.13	37.1
1.887	13.8	4.4	0.3	7.04	141.49	0.14	37.1
1.914	13.8	4.4	0.3	7.05	145.28	0.17	37.1
1.943	13.8	4.4	0.46	7.04	148.2	0.16	37.1
1.984	13.8	4.4	0.3	7.04	151.26	0.16	37.1
2.024	13.8	4.4	0.5	7.04	146.33	0.13	37.1
2.067	13.8	4.4	0.38	7.06	148.27	0.15	37.1
2.119	13.8	4.4	0.27	7.09	146.26	0.13	37.1
2.159	13.8	4.4	0.42	7.13	146.87	0.11	37.1
2.187	13.79	4.4	0.42	7.15	149.93	0.15	37.1
2.219	13.79	4.4	0.3	7.16	150.66	0.14	37.1
2.258	13.79	4.4	0.38	7.18	154.19	0.12	37.11
2.304	13.78	4.4	0.3	7.2	155.27	0.14	37.11
2.354	13.78	4.4	0.3	7.21	155.59	0.14	37.11
2.408	13.78	4.4	0.42	7.24	152.59	0.12	37.12
2.468	13.78	4.4	0.46	7.25	157.44	0.17	37.12
2.522	13.77	4.4	0.38	7.29	161.4	0.12	37.12
2.555	13.77	4.4	0.27	7.35	164.42	0.15	37.13
2.587	13.77	4.4	0.23	7.38	171.5	0.14	37.13
2.632	13.76	4.4	0.42	7.42	172.82	0.13	37.14
2.681	13.76	4.4	0.38	7.44	172.74	0.15	37.15
2.734	13.74	4.4	0.42	7.45	174.67	0.17	37.18
2.79	13.71	4.4	0.38	7.49	174.35	0.14	37.21
2.83	13.68	4.4	0.38	7.51	180.64	0.14	37.25
2.86	13.66	4.41	0.34	7.51	187.55	0.15	37.31
2.886	13.62	4.41	0.19	7.49	186.64	0.12	37.39
2.924	13.58	4.41	0.3	7.48	200.55	0.15	37.48
2.976	13.54	4.41	0.42	7.5	212.61	0.14	37.48
3.03	13.53	4.42	0.3	7.55	226.08	0.17	37.57
3.079	13.51	4.43	0.38	7.59	292.41	0.18	37.72
3.125	13.48	4.44	0.57	7.6	240.06	0.17	37.84
3.166	13.46	4.44	0.27	7.6	231.16	0.17	37.89
3.208	13.45	4.46	0.46	7.63	246.43	0.15	38.02
3.24	13.43	4.46	0.5	7.64	471.35	0.18	38.08
3.263	13.42	4.46	0.53	7.62	379.95	0.16	38.07
3.288	13.41	4.46	0.57	7.58	332.47	0.16	38.1
3.318	13.39	4.46	0.38	7.56	418.03	0.19	38.12
3.354	13.36	4.46	0.42	7.56	392.03	0.19	38.16
3.406	13.34	4.47	0.53	7.65	691.09	0.19	38.2
3.464	13.31	4.47	0.42	7.76	513.32	0.21	38.29
3.514	13.26	4.48	0.53	7.86	432.41	0.26	38.4
3.558	13.18	4.49	0.57	7.97	655.51	0.19	38.56
3.591	13.08	4.49	0.5	8.08	372.46	0.21	38.71
3.62	13.01	4.49	0.61	8.12	433.01	0.18	38.8
3.646	12.97	4.49	0.53	8.12	853.16	0.22	38.82
3.681	12.97	4.49	0.57	8.06	330.55	0.2	38.85
3.718	12.95	4.49	0.46	7.97	445.23	0.27	38.88
3.749	12.94	4.5	0.53	7.88	618.9	0.21	38.92
3.776	12.92	4.5	0.42	7.8	674.78	0.23	38.93
3.804	12.91	4.5	0.57	7.76	359.48	0.21	38.94
3.83	12.9	4.5	0.46	7.7	378.99	0.23	38.98
3.849	12.89	4.5	0.61	7.64	625.39	0.23	39.01
3.875	12.87	4.5	0.61	7.61	744.12	0.23	39.02
3.916	12.86	4.51	0.72	7.59	413.21	0.26	39.1
3.958	12.84	4.52	0.57	7.61	351.65	0.29	39.28
3.997	12.81	4.54	0.5	7.67	442.14	0.26	39.44

4.039	12.77	4.54	0.5	7.72	646.91	0.24	39.49
4.078	12.73	4.56	0.72	7.78	597.33	0.26	39.75
4.113	12.67	4.57	0.57	7.82	380.13	0.23	39.87
4.154	12.62	4.57	0.5	7.91	421.72	0.21	39.92
4.192	12.59	4.58	0.5	8.12	616.75	0.23	40.06
4.225	12.55	4.58	0.5	8.14	591.41	0.25	40.1
4.254	12.53	4.58	0.53	8.11	463.55	0.25	40.18
4.283	12.51	4.59	0.61	8.05	351.65	0.28	40.28
4.316	12.5	4.6	0.5	7.98	427.13	0.26	40.36
4.356	12.48	4.62	0.61	7.88	532.46	0.27	40.56
4.407	12.45	4.63	0.65	7.83	319.48	0.23	40.69
4.464	12.43	4.63	0.57	7.79	518.46	0.29	40.8
4.511	12.4	4.64	0.84	7.71	813.19	0.29	40.86
4.547	12.37	4.64	1.14	7.68	552.2	0.24	40.89
4.579	12.36	4.64	1.37	7.64	336.66	0.27	40.9
4.609	12.36	4.64	1.3	7.61	582.16	0.26	40.91
4.635	12.35	4.64	1.49	7.57	632.09	0.27	40.92
4.657	12.34	4.64	1.34	7.56	322.23	0.27	40.93
4.825	12.31	4.64	1.45	8.33	316.01	0.29	40.95
4.94	12.29	4.64	1.26	8.13	410.16	0.26	40.96
4.991	12.29	4.64	1.37	7.97	475.41	0.27	40.99
5.027	12.28	4.64	1.41	7.76	432.51	0.28	41.01
5.05	12.28	4.64	1.34	7.05	527.06	0.25	41.01
5.054	12.28	4.64	1.45	7.12	593.61	0.29	41.0



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	13.34	4.46	0.0	6.17	123.06	0.1	36.98
PROF (metros)	9.267	0.858	0.552	1.453	0.858	1.142	1.343
MÁXIMO	14.58	14.58	0.61	7.87	3309.7	0.26	39.26
PROF (metros)	0.534	8.092	7.817	4.506	0.534	7.03	9.336

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N5F - Punto 021	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	14.57	4.47	0.29	6.57	631.5	0.14	36.99
1 - 2m	14.58	4.47	0.29	6.31	142.42	0.13	36.99
2 - 3m	14.58	4.47	0.28	6.55	143.92	0.14	36.99
3 - 4m	14.58	4.47	0.3	7.17	160.77	0.13	37.0
4 - 5m	14.57	4.47	0.31	7.11	259.02	0.15	37.0
5 - 6m	14.56	4.47	0.34	6.86	412.57	0.15	37.0
6 - 7m	14.54	4.47	0.32	6.87	400.11	0.16	37.03
7 - 8m	14.18	4.5	0.38	6.59	381.39	0.2	37.69
8 - 9m	13.53	4.57	0.45	6.78	335.75	0.19	39.05
9 - 10m	13.35	4.58	0.46	7.02	296.77	0.18	39.26

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.534	14.58	4.47	0.04	6.65	3309.7	0.13	37.0
0.552	14.58	4.47	0.0	6.74	3275.3	0.14	36.99
0.598	14.58	4.47	0.53	6.58	710.74	0.15	36.99
0.635	14.58	4.47	0.46	6.59	617.46	0.15	36.99
0.67	14.58	4.47	0.0	6.57	586.36	0.15	36.99
0.714	14.58	4.47	0.27	6.57	382.34	0.15	36.99
0.773	14.57	4.47	0.38	6.55	142.54	0.12	36.99
0.831	14.57	4.47	0.15	6.59	131.86	0.15	36.99
0.834	14.57	4.47	0.19	6.54	136.12	0.14	36.99
0.858	14.57	4.46	0.42	6.53	123.06	0.11	36.99
0.925	14.57	4.47	0.19	6.54	129.68	0.14	36.99
1.0	14.57	4.46	0.27	6.53	128.66	0.13	36.99
1.067	14.57	4.46	0.3	6.51	149.06	0.15	36.99
1.094	14.57	4.46	0.27	6.44	146.66	0.12	36.99
1.106	14.57	4.47	0.27	6.39	139.31	0.13	36.99
1.142	14.57	4.46	0.23	6.34	168.94	0.1	36.99
1.202	14.57	4.46	0.3	6.3	141.62	0.13	36.99
1.277	14.57	4.46	0.3	6.28	131.04	0.14	36.99
1.343	14.58	4.46	0.38	6.27	130.8	0.14	36.98
1.391	14.58	4.46	0.27	6.26	153.94	0.14	36.98
1.4	14.58	4.46	0.42	6.21	148.86	0.11	36.99
1.406	14.58	4.47	0.27	6.19	132.54	0.16	36.99
1.453	14.58	4.47	0.38	6.17	142.05	0.13	36.99
1.538	14.58	4.47	0.38	6.19	146.39	0.13	36.99
1.619	14.58	4.46	0.27	6.19	143.87	0.14	36.99
1.689	14.58	4.46	0.27	6.19	145.78	0.14	36.99
1.736	14.57	4.47	0.27	6.22	140.28	0.13	36.99
1.753	14.57	4.47	0.19	6.24	140.9	0.14	36.99
1.76	14.58	4.47	0.38	6.28	147.65	0.11	36.99
1.768	14.58	4.47	0.27	6.31	142.64	0.12	36.99
1.784	14.58	4.47	0.3	6.34	135.52	0.15	36.99
1.822	14.58	4.47	0.19	6.37	139.6	0.14	36.99

1.877	14.58	4.47	0.3	6.4	141.65	0.15	36.99
1.919	14.58	4.47	0.19	6.39	143.37	0.17	36.99
1.937	14.58	4.47	0.27	6.36	139.99	0.15	36.99
1.953	14.58	4.47	0.42	6.33	140.74	0.13	36.99
1.999	14.58	4.47	0.3	6.33	141.13	0.13	36.99
2.08	14.58	4.47	0.15	6.33	138.73	0.15	36.99
2.155	14.58	4.47	0.3	6.35	138.95	0.11	36.99
2.191	14.58	4.47	0.3	6.33	141.72	0.14	36.99
2.206	14.58	4.47	0.38	6.39	146.05	0.14	36.99
2.235	14.58	4.47	0.38	6.47	142.44	0.12	36.99
2.274	14.58	4.47	0.38	6.55	139.76	0.13	36.99
2.314	14.58	4.47	0.27	6.56	141.16	0.15	36.99
2.354	14.58	4.47	0.3	6.61	143.74	0.15	36.99
2.377	14.58	4.47	0.19	6.59	144.34	0.14	36.99
2.397	14.58	4.47	0.27	6.57	145.18	0.14	36.99
2.436	14.58	4.47	0.3	6.62	148.68	0.17	37.0
2.495	14.58	4.47	0.19	6.63	147.48	0.17	36.99
2.564	14.58	4.47	0.3	6.64	140.64	0.14	36.99
2.627	14.58	4.47	0.19	6.65	136.18	0.12	36.99
2.667	14.58	4.47	0.27	6.68	136.4	0.13	36.99
2.692	14.58	4.47	0.34	6.68	143.4	0.13	36.99
2.694	14.58	4.47	0.3	6.56	146.05	0.15	36.99
2.725	14.58	4.47	0.23	6.54	151.78	0.14	36.99
2.792	14.58	4.47	0.3	6.53	154.7	0.13	36.99
2.891	14.58	4.47	0.15	6.6	150.94	0.13	36.99
2.988	14.58	4.47	0.42	6.65	143.94	0.14	36.99
3.048	14.58	4.47	0.3	6.71	140.09	0.11	36.99
3.078	14.58	4.47	0.3	6.78	142.18	0.12	36.99
3.101	14.58	4.47	0.34	6.85	149.37	0.15	36.99
3.133	14.58	4.47	0.38	6.98	150.28	0.15	36.99
3.164	14.58	4.47	0.27	7.04	153.02	0.13	36.99
3.194	14.58	4.47	0.3	7.12	155.59	0.13	36.99
3.217	14.58	4.47	0.42	7.13	157.12	0.12	37.0
3.238	14.58	4.47	0.38	7.15	155.99	0.13	37.0
3.267	14.58	4.47	0.3	7.16	150.66	0.16	37.0
3.316	14.58	4.47	0.34	7.19	151.43	0.11	37.0
3.377	14.58	4.47	0.23	7.27	158.51	0.14	36.99
3.407	14.58	4.47	0.15	7.17	156.39	0.14	36.99
3.412	14.58	4.47	0.3	7.15	157.26	0.13	36.99
3.465	14.58	4.47	0.38	7.17	159.69	0.14	37.0
3.546	14.58	4.47	0.15	7.17	160.73	0.12	36.99
3.625	14.58	4.47	0.27	7.2	161.55	0.16	36.99
3.664	14.58	4.47	0.23	7.22	155.41	0.15	36.99
3.667	14.58	4.47	0.34	7.2	155.99	0.11	37.0
3.672	14.58	4.47	0.3	7.21	161.17	0.14	37.0
3.69	14.58	4.47	0.27	7.17	164.42	0.13	37.0
3.711	14.58	4.47	0.27	7.17	165.64	0.14	37.0
3.741	14.58	4.47	0.3	7.12	170.39	0.11	37.0
3.789	14.58	4.47	0.3	7.17	177.57	0.13	37.0
3.865	14.58	4.47	0.42	7.31	177.73	0.14	37.0
3.935	14.58	4.47	0.3	7.61	181.35	0.15	37.0
3.956	14.58	4.47	0.27	7.64	184.11	0.16	37.0
3.984	14.58	4.47	0.27	7.57	187.03	0.12	37.0
4.05	14.58	4.47	0.27	7.5	198.24	0.13	37.0
4.144	14.58	4.47	0.3	7.48	226.18	0.13	37.0
4.23	14.58	4.47	0.27	7.38	181.35	0.15	37.0
4.287	14.58	4.47	0.23	7.32	186.51	0.15	37.0
4.289	14.57	4.47	0.15	7.1	207.26	0.16	37.0

4.298	14.57	4.47	0.46	7.04	232.4	0.16	37.0
4.332	14.57	4.47	0.3	6.97	331.01	0.15	37.0
4.375	14.57	4.47	0.3	6.99	238.79	0.14	37.0
4.406	14.57	4.47	0.27	6.98	201.34	0.12	37.0
4.439	14.57	4.47	0.23	6.99	210.74	0.17	37.0
4.506	14.57	4.47	0.42	7.87	228.08	0.13	37.0
4.597	14.57	4.47	0.23	7.87	250.46	0.18	37.0
4.66	14.57	4.47	0.27	7.73	237.41	0.16	37.0
4.676	14.57	4.47	0.38	7.21	289.24	0.15	37.0
4.711	14.57	4.47	0.27	7.0	346.23	0.18	37.0
4.777	14.57	4.47	0.38	6.78	294.38	0.14	37.0
4.839	14.57	4.47	0.3	6.56	314.48	0.13	37.0
4.883	14.57	4.47	0.34	6.64	288.84	0.17	37.0
4.906	14.57	4.47	0.23	6.7	281.24	0.15	37.0
4.91	14.57	4.47	0.34	6.73	371.51	0.18	37.0
4.915	14.57	4.47	0.46	6.76	297.4	0.17	37.0
4.945	14.57	4.47	0.38	6.78	285.44	0.15	37.0
5.012	14.57	4.47	0.3	6.81	316.9	0.17	37.0
5.106	14.57	4.47	0.27	6.84	537.8	0.17	37.0
5.181	14.57	4.47	0.23	6.86	417.54	0.15	37.0
5.198	14.57	4.47	0.19	6.88	321.11	0.17	37.0
5.214	14.57	4.47	0.38	6.9	418.32	0.15	37.0
5.259	14.56	4.47	0.42	6.89	588.68	0.15	37.0
5.306	14.56	4.47	0.3	6.89	450.31	0.17	37.0
5.351	14.56	4.47	0.3	6.89	455.35	0.13	37.0
5.424	14.56	4.47	0.42	6.89	460.87	0.15	37.0
5.495	14.56	4.47	0.38	6.89	451.88	0.14	37.0
5.515	14.56	4.47	0.23	6.87	313.97	0.15	37.0
5.54	14.56	4.46	0.42	6.86	409.21	0.17	37.0
5.576	14.56	4.46	0.42	6.85	421.53	0.13	37.0
5.619	14.56	4.46	0.46	6.85	331.78	0.15	37.0
5.672	14.56	4.46	0.42	6.85	388.77	0.15	37.0
5.735	14.56	4.46	0.27	6.85	385.28	0.16	37.0
5.787	14.56	4.46	0.42	6.85	451.46	0.14	37.0
5.813	14.56	4.46	0.38	6.85	409.4	0.14	37.0
5.823	14.56	4.46	0.3	6.86	359.4	0.15	37.0
5.839	14.56	4.46	0.42	6.85	357.24	0.16	37.0
5.863	14.56	4.46	0.19	6.84	431.01	0.16	37.0
5.908	14.56	4.46	0.27	6.84	397.43	0.16	37.0
5.974	14.56	4.46	0.38	6.85	413.88	0.14	37.0
6.055	14.56	4.46	0.53	6.85	483.86	0.16	37.0
6.114	14.56	4.47	0.3	6.85	437.15	0.14	37.0
6.129	14.56	4.47	0.19	6.87	369.1	0.18	37.0
6.148	14.56	4.47	0.3	6.87	375.05	0.14	37.0
6.198	14.56	4.47	0.19	6.87	373.41	0.17	37.0
6.267	14.56	4.47	0.3	6.88	352.79	0.16	37.0
6.328	14.56	4.47	0.34	6.88	365.61	0.17	37.0
6.361	14.56	4.47	0.3	6.88	427.73	0.17	37.01
6.369	14.56	4.47	0.34	6.88	385.72	0.18	37.02
6.387	14.56	4.47	0.38	6.89	352.96	0.19	37.02
6.433	14.56	4.47	0.27	6.89	367.74	0.12	37.02
6.467	14.56	4.47	0.38	6.88	409.97	0.17	37.02
6.473	14.56	4.47	0.15	6.88	444.92	0.14	37.03
6.49	14.56	4.47	0.5	6.88	374.19	0.19	37.03
6.531	14.55	4.47	0.46	6.88	360.31	0.18	37.03
6.583	14.55	4.47	0.27	6.88	334.56	0.19	37.03
6.645	14.55	4.47	0.38	6.88	383.05	0.18	37.03
6.671	14.51	4.47	0.38	6.87	466.89	0.16	37.07

6.719	14.51	4.47	0.23	6.86	481.4	0.17	37.07
6.805	14.51	4.47	0.23	6.85	443.27	0.13	37.06
6.892	14.51	4.47	0.23	6.85	384.29	0.15	37.06
6.953	14.48	4.47	0.42	6.87	430.71	0.15	37.09
6.973	14.48	4.47	0.3	6.88	397.89	0.16	37.09
7.03	14.48	4.47	0.19	6.87	404.3	0.26	37.09
7.117	14.48	4.47	0.42	6.84	357.82	0.19	37.09
7.206	14.48	4.47	0.42	6.81	345.35	0.22	37.09
7.231	14.43	4.46	0.27	6.54	447.19	0.16	37.11
7.248	14.39	4.46	0.3	6.49	434.12	0.18	37.13
7.284	14.38	4.46	0.3	6.43	386.35	0.23	37.14
7.331	14.38	4.46	0.3	6.4	360.31	0.18	37.14
7.389	14.37	4.46	0.3	6.4	363.5	0.16	37.17
7.45	14.31	4.47	0.19	6.41	404.87	0.15	37.3
7.492	14.25	4.49	0.3	6.43	407.98	0.18	37.49
7.517	14.19	4.5	0.5	6.46	355.67	0.22	37.69
7.553	14.14	4.5	0.53	6.5	333.24	0.22	37.78
7.611	14.1	4.51	0.27	6.53	343.51	0.22	37.83
7.683	14.07	4.51	0.42	6.56	389.59	0.19	37.92
7.757	14.02	4.52	0.38	6.59	391.58	0.22	38.06
7.81	13.96	4.53	0.34	6.63	379.43	0.23	38.22
7.817	13.83	4.56	0.61	6.7	387.33	0.22	38.59
7.835	13.79	4.56	0.57	6.74	357.49	0.18	38.61
7.897	13.76	4.55	0.38	6.76	388.41	0.24	38.6
7.98	13.75	4.56	0.5	6.78	389.77	0.16	38.67
8.082	13.72	4.57	0.53	6.8	346.55	0.19	38.85
8.09	13.7	4.57	0.5	6.81	339.16	0.23	38.88
8.092	13.68	4.58	0.38	6.82	364.09	0.22	38.9
8.111	13.68	4.58	0.42	6.82	346.47	0.21	38.91
8.167	13.67	4.58	0.61	6.82	370.13	0.21	38.91
8.265	13.67	4.58	0.42	6.82	292.34	0.2	38.92
8.363	13.66	4.57	0.46	6.82	319.18	0.18	38.92
8.414	13.49	4.57	0.5	6.79	425.65	0.18	39.09
8.443	13.46	4.57	0.5	6.77	357.9	0.17	39.12
8.522	13.46	4.57	0.42	6.74	330.7	0.2	39.12
8.625	13.46	4.57	0.38	6.72	336.11	0.19	39.12
8.717	13.44	4.57	0.3	6.7	325.08	0.19	39.15
8.776	13.41	4.57	0.38	6.69	310.64	0.21	39.17
8.78	13.37	4.57	0.46	6.75	336.42	0.16	39.21
8.793	13.37	4.57	0.38	6.78	308.92	0.18	39.22
8.844	13.38	4.57	0.61	6.82	295.13	0.19	39.2
8.927	13.39	4.57	0.46	6.85	303.31	0.12	39.19
9.023	13.38	4.57	0.46	6.88	316.53	0.18	39.21
9.1	13.36	4.58	0.46	6.91	301.14	0.16	39.23
9.161	13.35	4.58	0.38	6.94	307.42	0.18	39.24
9.212	13.35	4.58	0.3	6.96	333.01	0.14	39.25
9.267	13.34	4.58	0.34	6.99	313.39	0.15	39.25
9.336	13.34	4.58	0.53	7.0	288.7	0.17	39.26
9.402	13.34	4.58	0.46	7.01	289.17	0.15	39.26
9.456	13.34	4.58	0.53	7.02	311.07	0.14	39.26
9.497	13.35	4.58	0.46	7.02	331.39	0.17	39.26
9.524	13.35	4.58	0.57	7.04	340.98	0.15	39.26
9.556	13.35	4.58	0.42	7.04	290.99	0.17	39.26
9.602	13.35	4.58	0.57	7.06	285.97	0.15	39.26
9.657	13.35	4.58	0.5	7.06	276.07	0.19	39.26
9.694	13.35	4.58	0.46	7.06	277.42	0.16	39.26
9.701	13.35	4.58	0.46	7.07	306.14	0.17	39.26
9.708	13.35	4.58	0.53	7.07	301.35	0.18	39.26

9.751	13.35	4.58	0.23	7.07	291.05	0.18	39.26
9.85	13.35	4.58	0.5	7.06	286.5	0.17	39.26
9.928	13.35	4.58	0.46	7.06	292.34	0.18	39.26
9.961	13.35	4.58	0.5	7.06	267.13	0.18	39.26
9.964	13.35	4.58	0.53	7.03	298.78	0.21	39.26
9.967	13.35	4.58	0.46	7.02	308.06	0.21	39.26
9.969	13.35	4.58	0.38	7.01	309.06	0.2	39.26
9.971	13.35	4.58	0.46	7.01	297.74	0.2	39.26
9.973	13.36	4.58	0.57	7.01	274.6	0.17	39.26
9.975	13.36	4.58	0.42	7.02	271.06	0.17	39.26
9.977	13.36	4.58	0.42	7.04	268.87	0.19	39.25
9.978	13.36	4.58	0.38	7.05	296.02	0.24	39.25
9.98	13.36	4.58	0.38	7.06	290.31	0.19	39.25
9.981	13.36	4.58	0.57	7.06	280.98	0.19	39.25