

RESULTADOS

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



Fecha: Miercoles 12/01/2022

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.

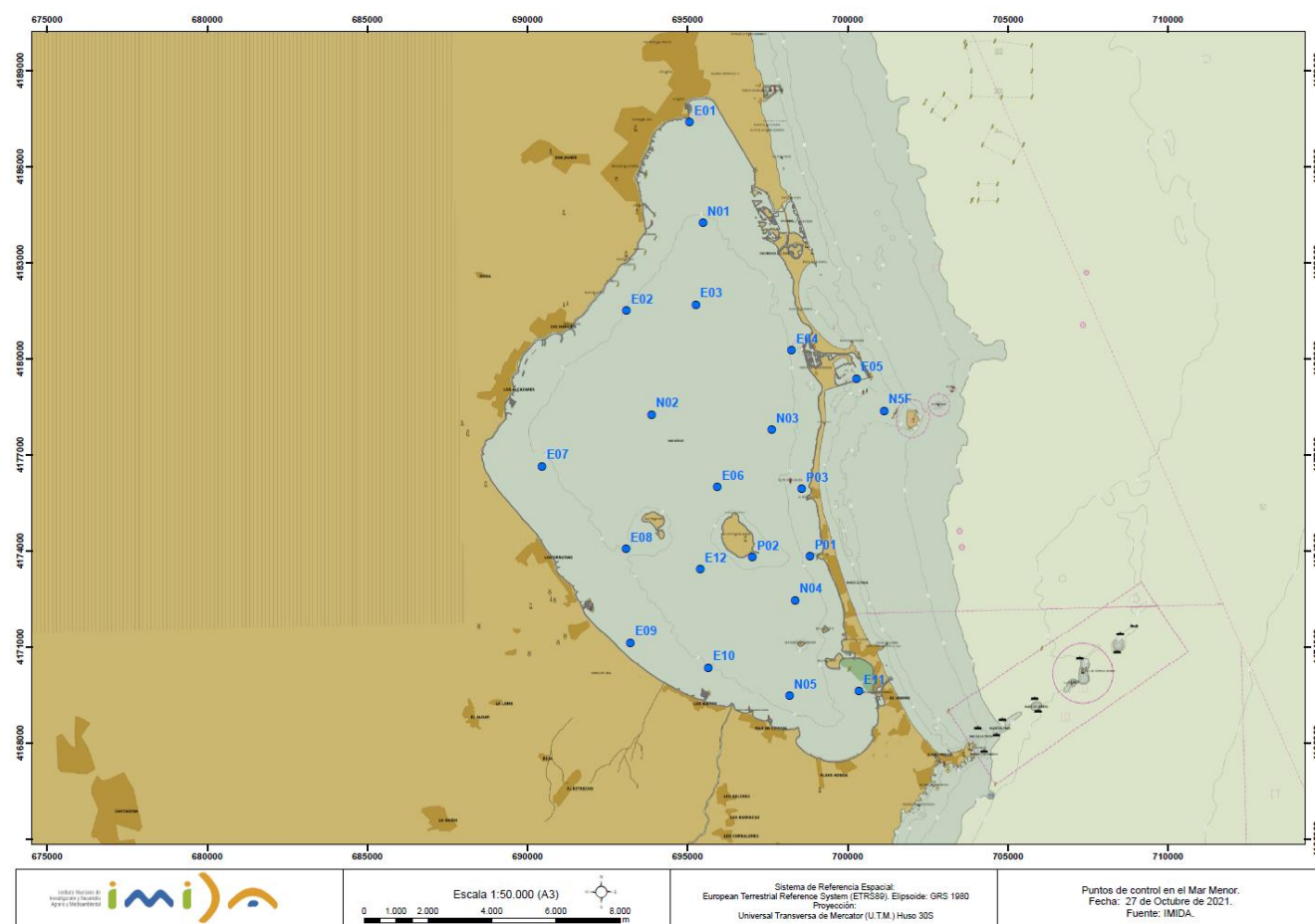
ORDEN	Punto	D. Secchi	Hora	Fondo	Viento (km/h)	Dirección	Sonda
1	E01	2.4	8:18:00	Si	4	NW	2.4
2	N01	5.5	8:29:00	No	4	NW	5.5
3	E03	6.3	8:40:00	No	4	NW	6.3
4	E02	5.6	8:48:00	Si	0	Nada	5.6
5	N02	6.1	8:56:00	Si	0	Nada	6.1
6	E07	4.7	9:21:00	Si	0	Nada	4.7
7	E08	5.0	9:42:00	Si	4	W	5.0
8	E09	1.9	9:51:00	Si	4	W	1.9
9	E10	3.4	10:00:00	No	4	W	5.0
10	N05	5.3	10:09:00	No	4	W	5.8
11	E11	4.3	10:16:00	Si	4	W	4.3
12	N04	6.0	10:27:00	No	4	W	6.0
13	P01	1.5	10:35:00	Si	8	W	1.5
14	P02	3.1	10:43:00	Si	8	W	3.1
15	E12	6.0	10:51:00	No	8	W	6.0
16	E06	6.6	11:00:00	No	8	W	6.6
17	P43	1.3	11:10:00	Si	8	W	1.3
18	N03	6.3	11:17:00	No	8	W	6.3
19	E04	5.3	11:26:00	Si	8	W	5.3
20	E05	4.1	11:37:00	No	8	W	5.2
21	N5F	9.7	11:45:00	Si	8	W	9.7

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.

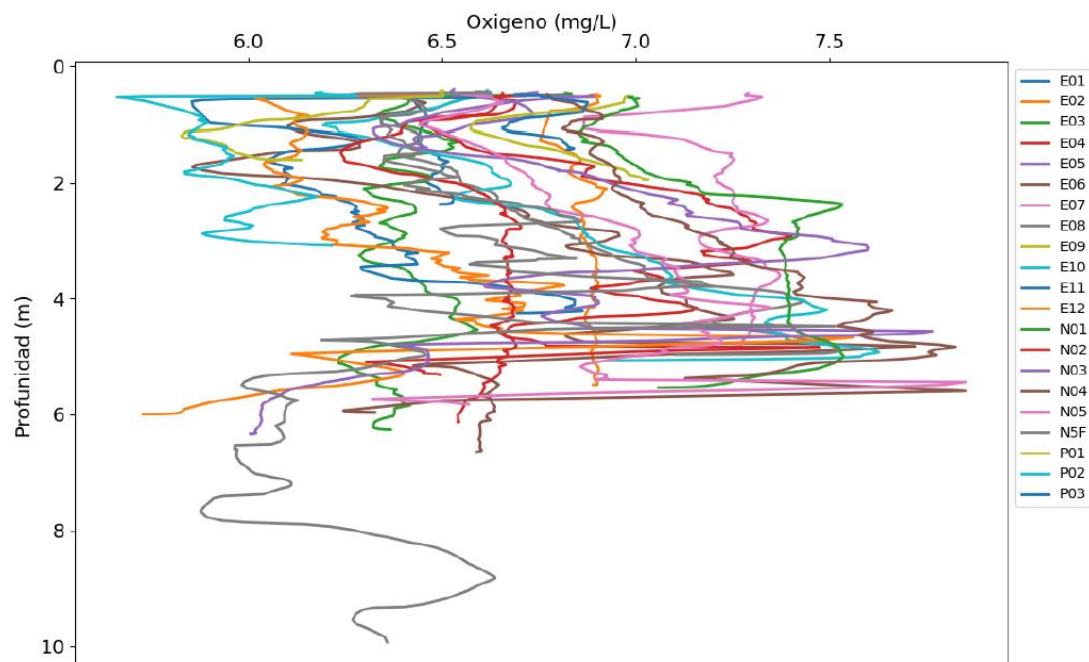
Instalaciones del IMIDA de La Alberca: Diseño y puesta en marcha de la encuesta para la toma de datos, procesamiento, tratamiento, análisis de datos, cartografía y maquetación.

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

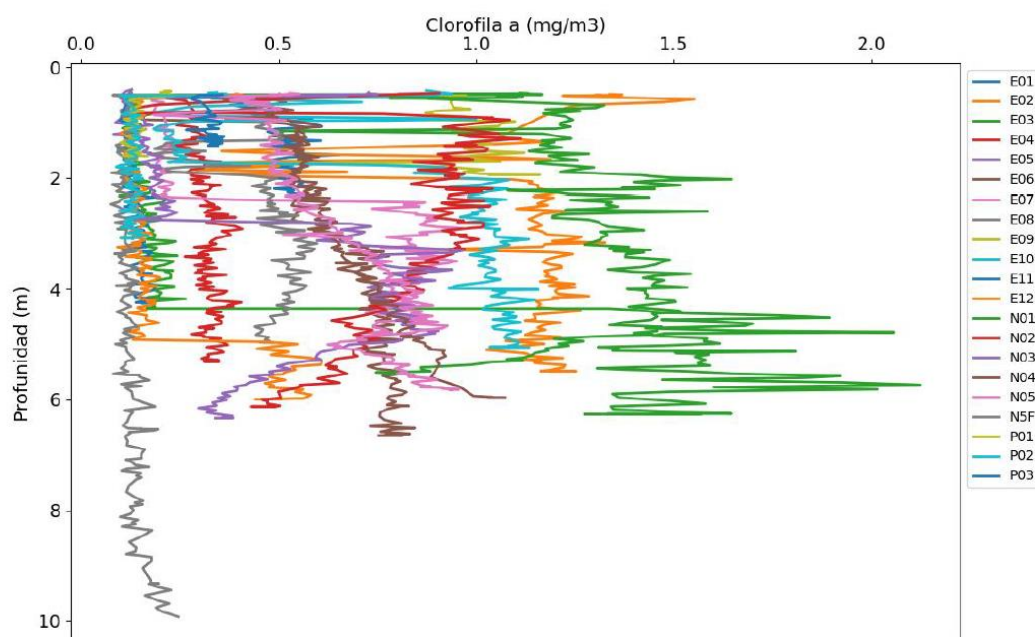


SITUACIÓN GENERAL

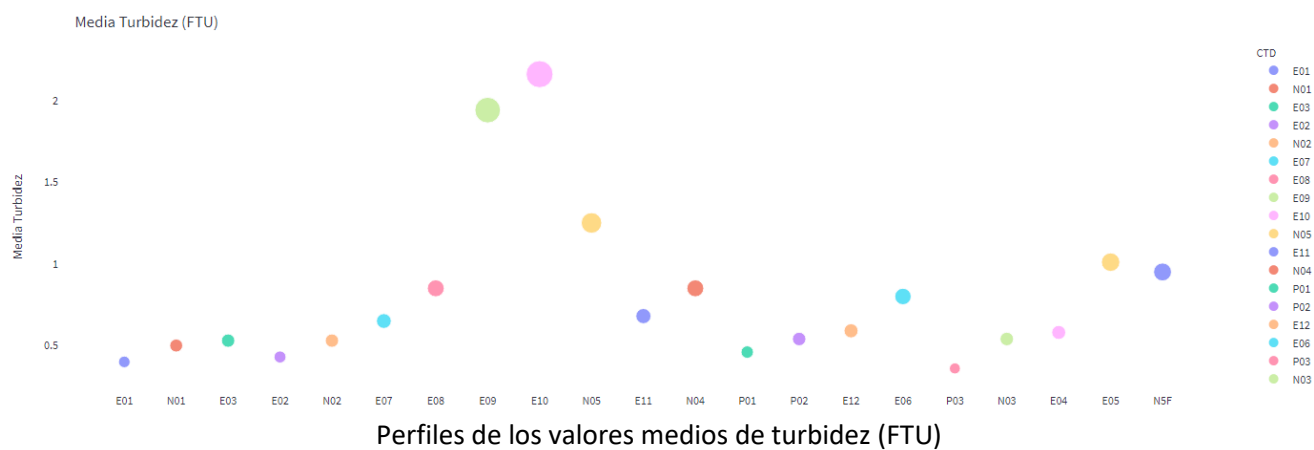
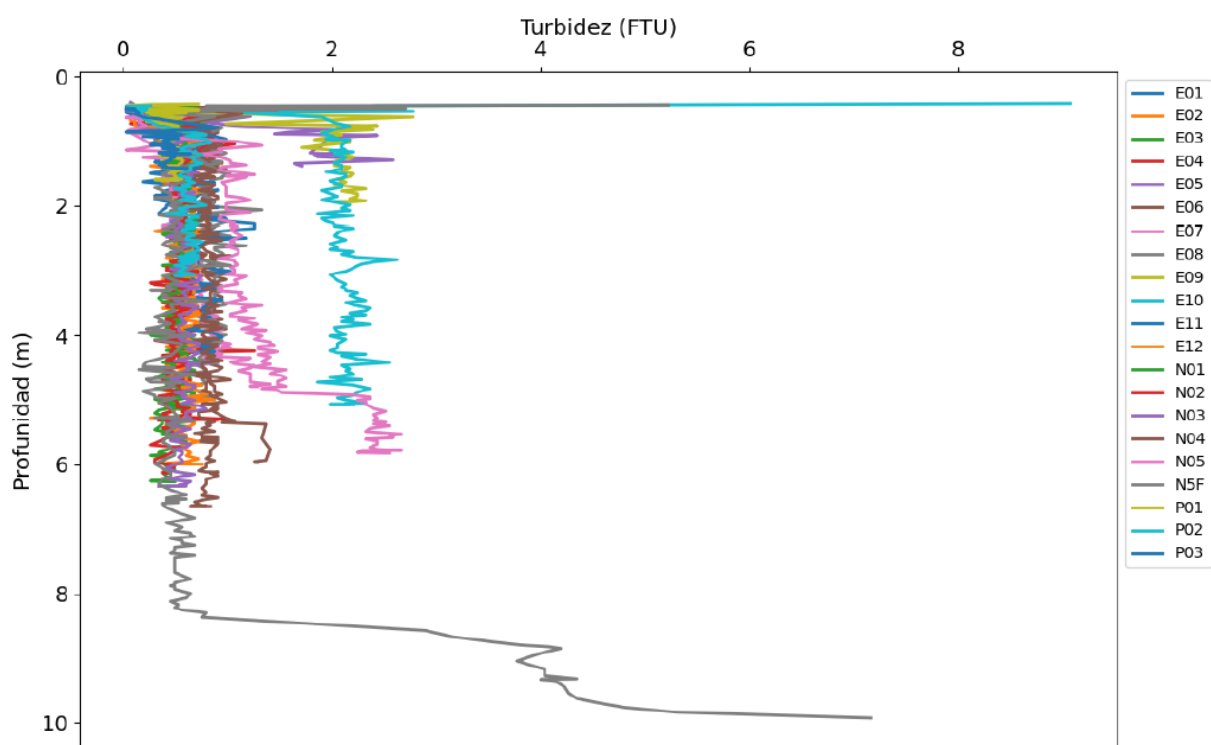
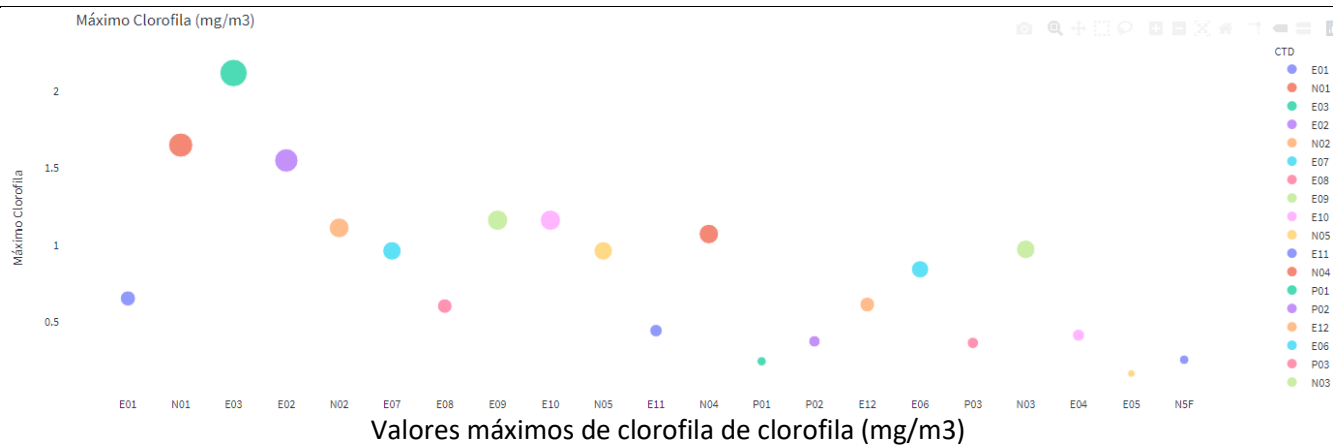
Los niveles medios de oxígeno son normales en todos los puntos ($> 5,5$ mg/L). Los valores medios de clorofila están por debajo 2 mg/m³ y el máximo se da en el punto E03. Los valores medios de turbidez están bajos, pero se han registrado valores un poco altos (2 FTU) en las estaciones E09 y E10. La transparencia del agua es alta como se puede apreciar en los valores del Disco de Secchi.

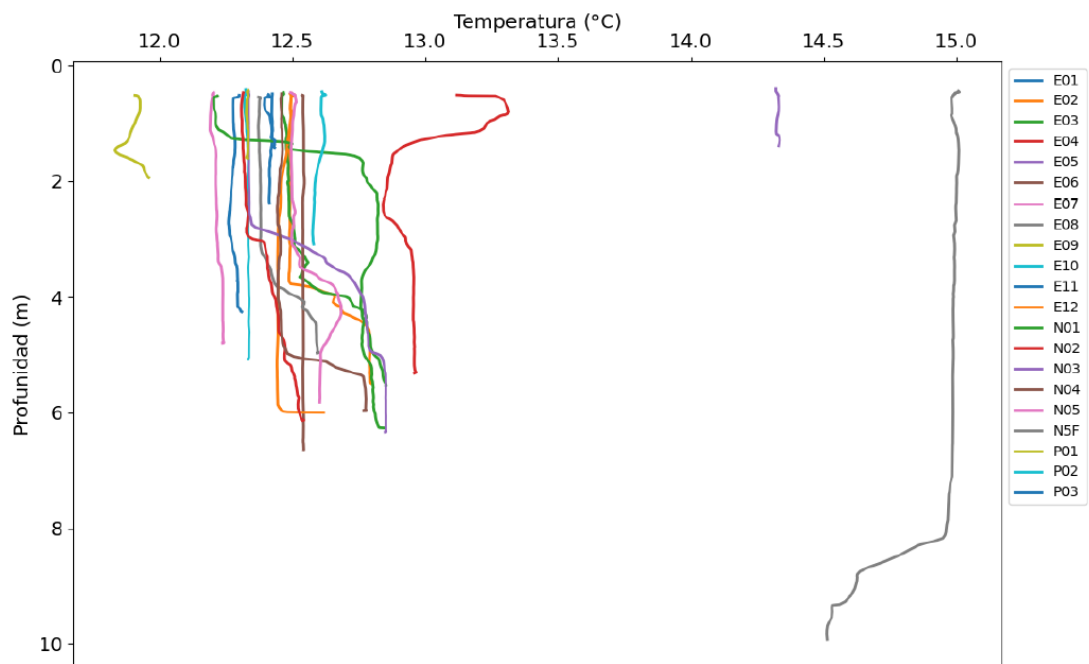


Perfiles de oxígeno (mg/L) por estación

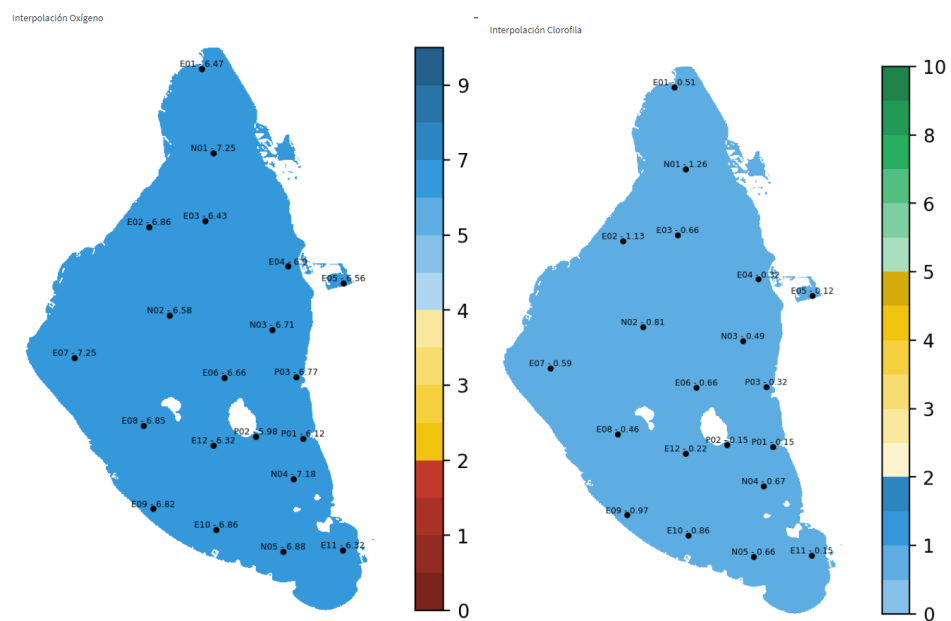


Perfiles de los valores de clorofila (mg/m³)





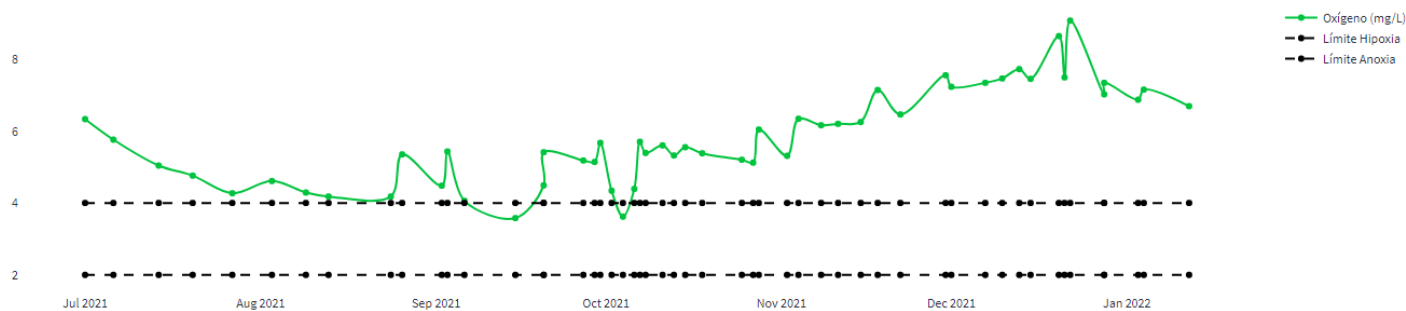
Perfiles de los valores de temperatura (° C)



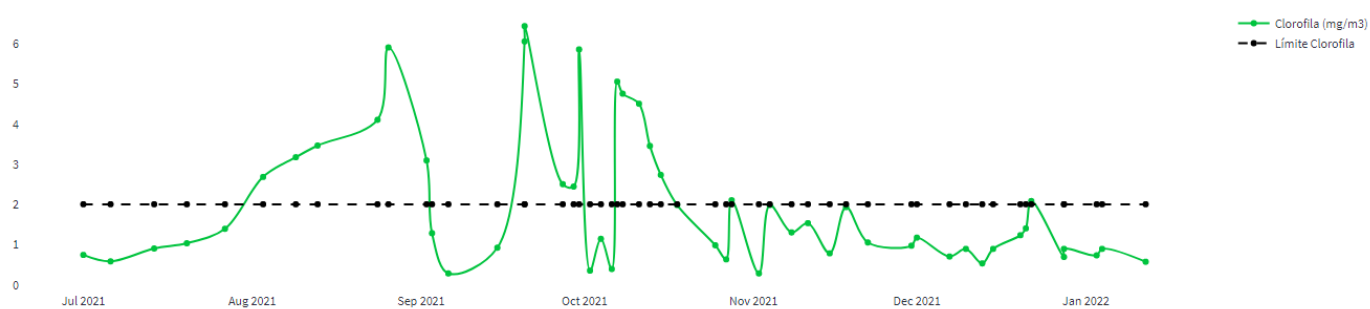
Contenido de oxígeno (mg/L) y clorofila a (mg/m3)

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

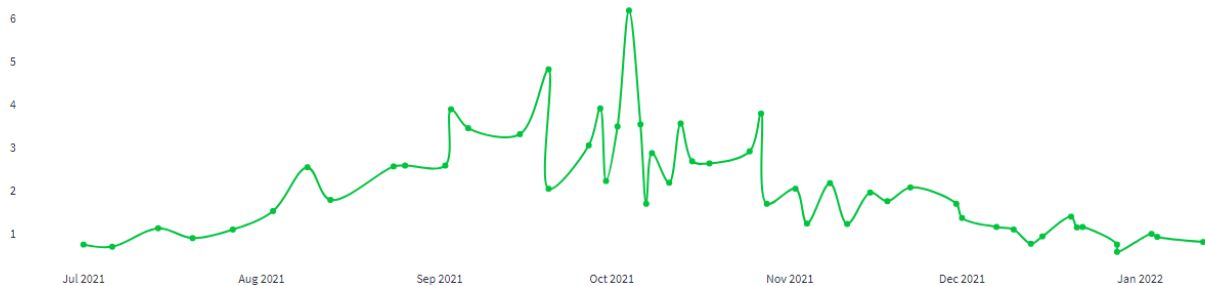
- Clorofila (mg/m3): 0.60
- Turbidez (FTU): 0.76
- Oxígeno (mg/L): 6.73
- Temperatura (° C): 12.53
- Salinidad (PSU): 42.36



Evolución del contenido medio de oxígeno (mg/L)

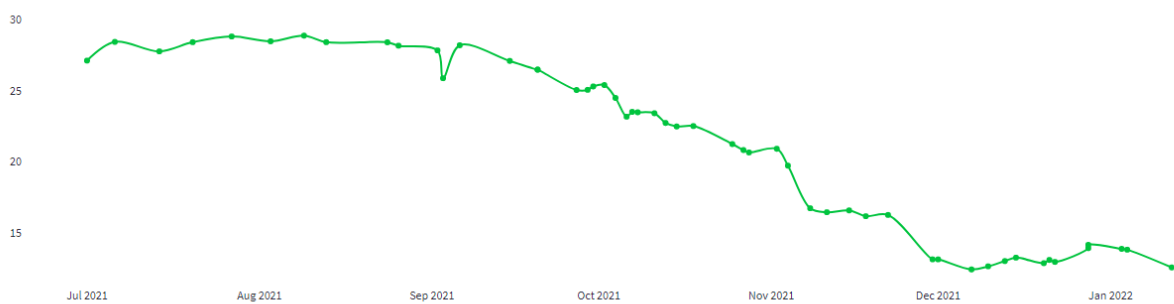


Evolución del contenido medio de la clorofila *a* (mg/m3)



Evolución del contenido medio de la turbidez (FTU)

Temperatura (°C)



Evolución del contenido medio de la temperatura (°C)

Salinidad (PSU)

44
42
40
38
36

Jul 2021

Aug 2021

Sep 2021

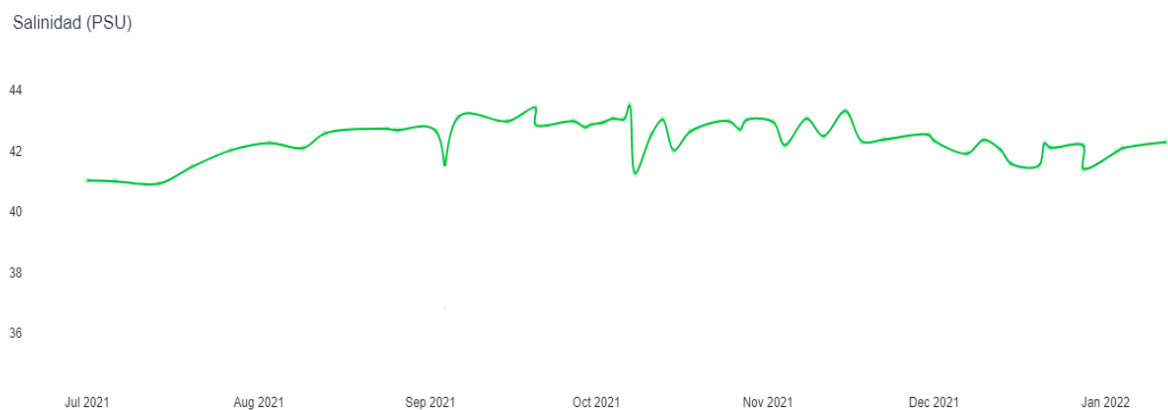
Oct 2021

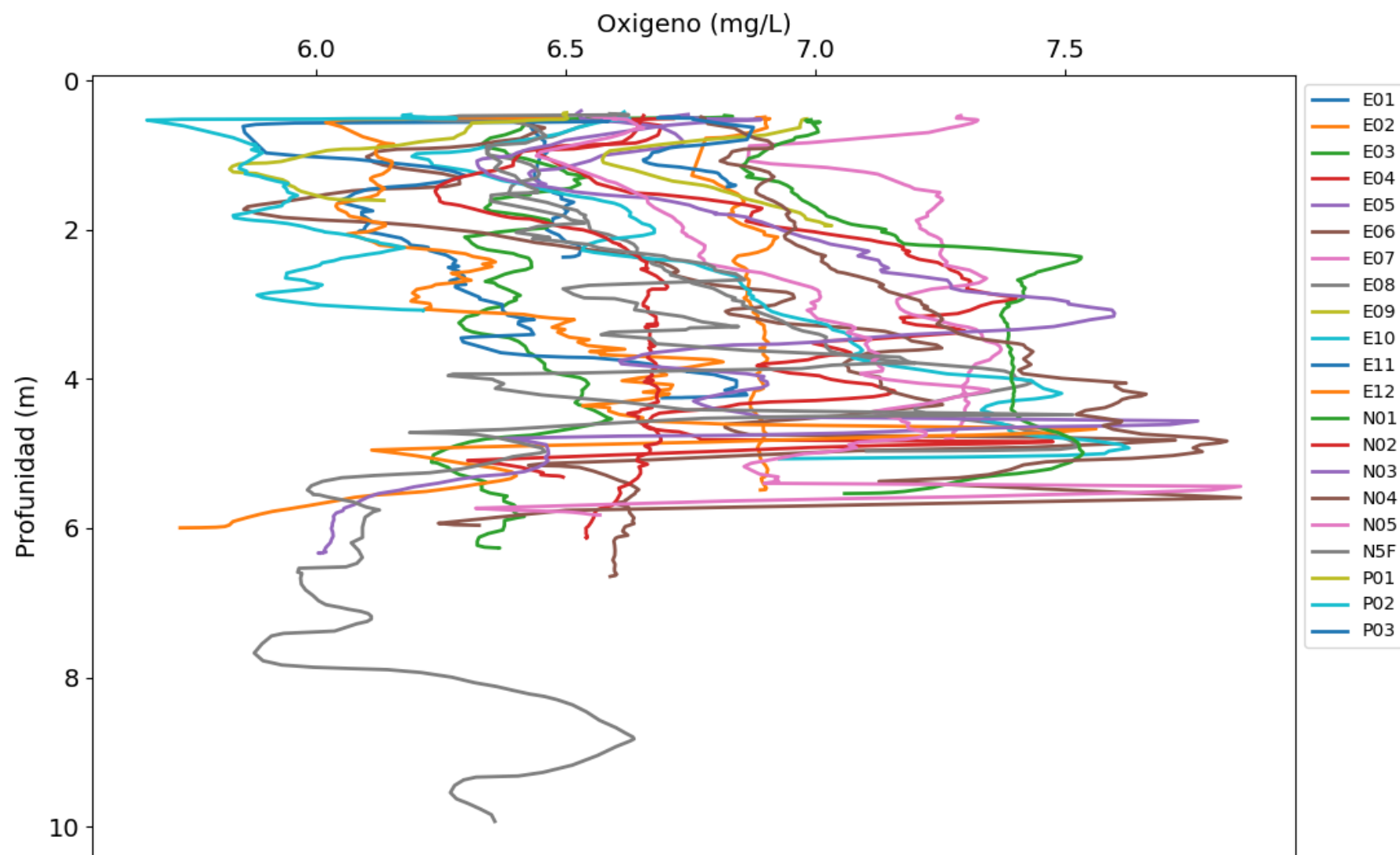
Nov 2021

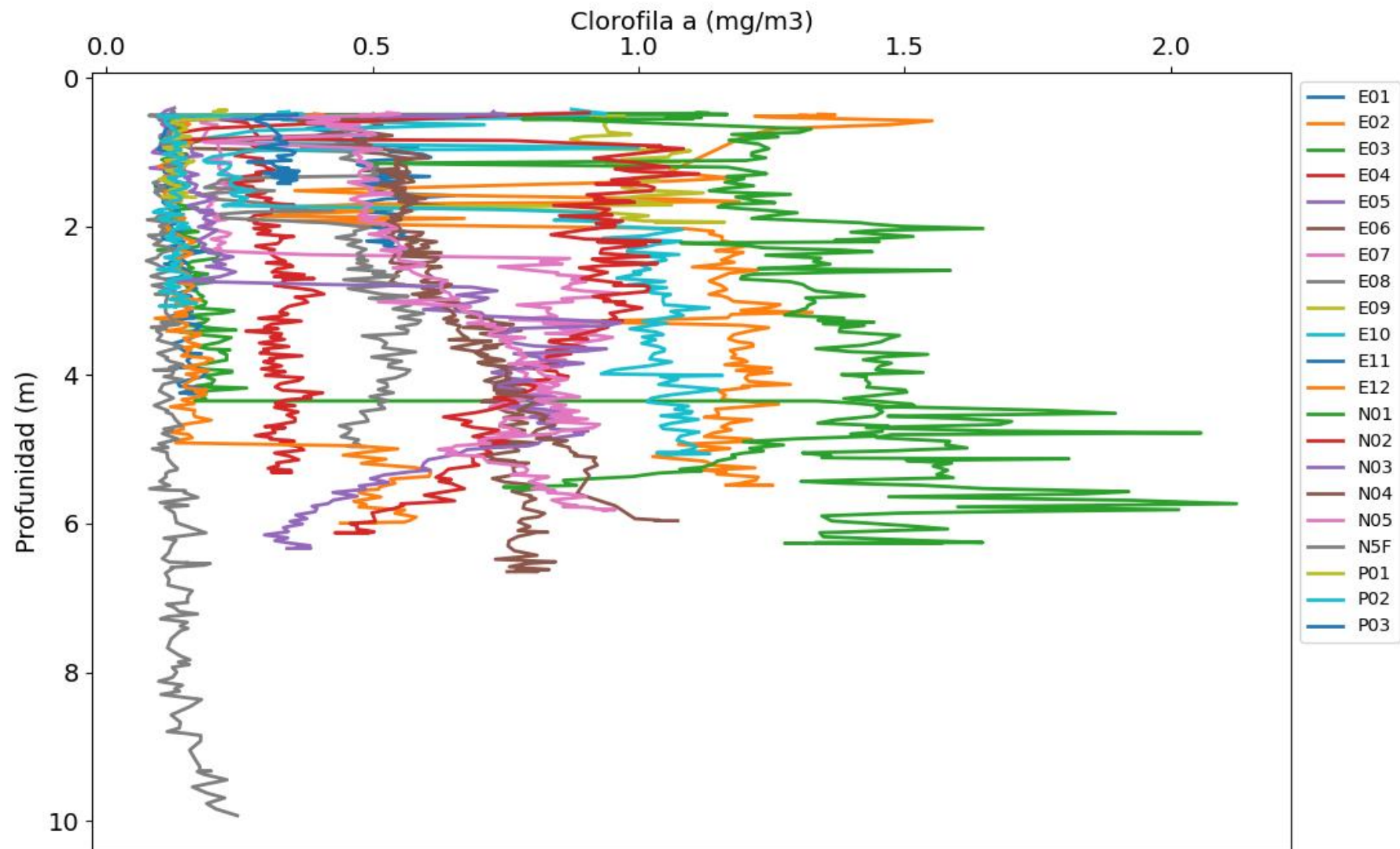
Dec 2021

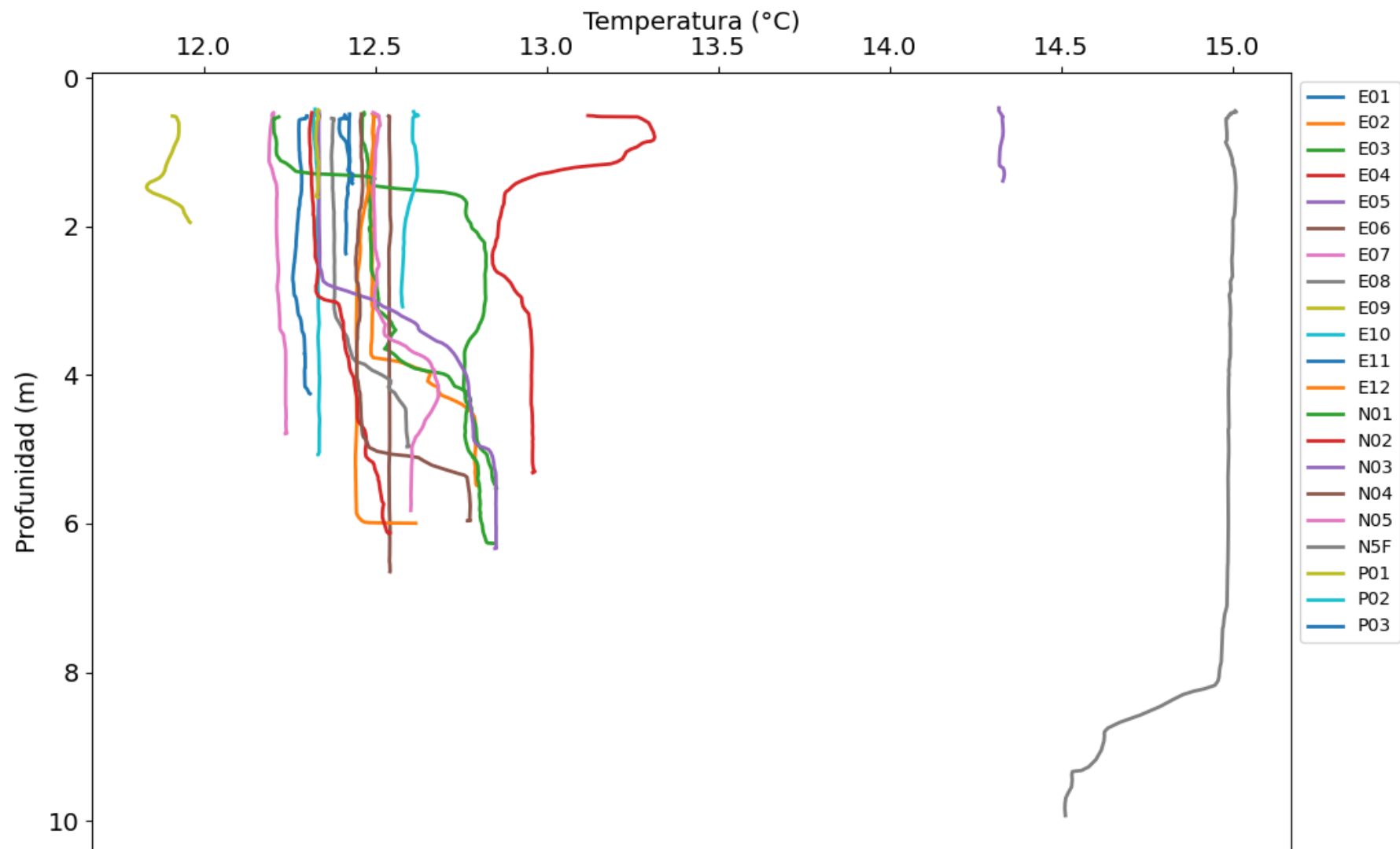
Jan 2022

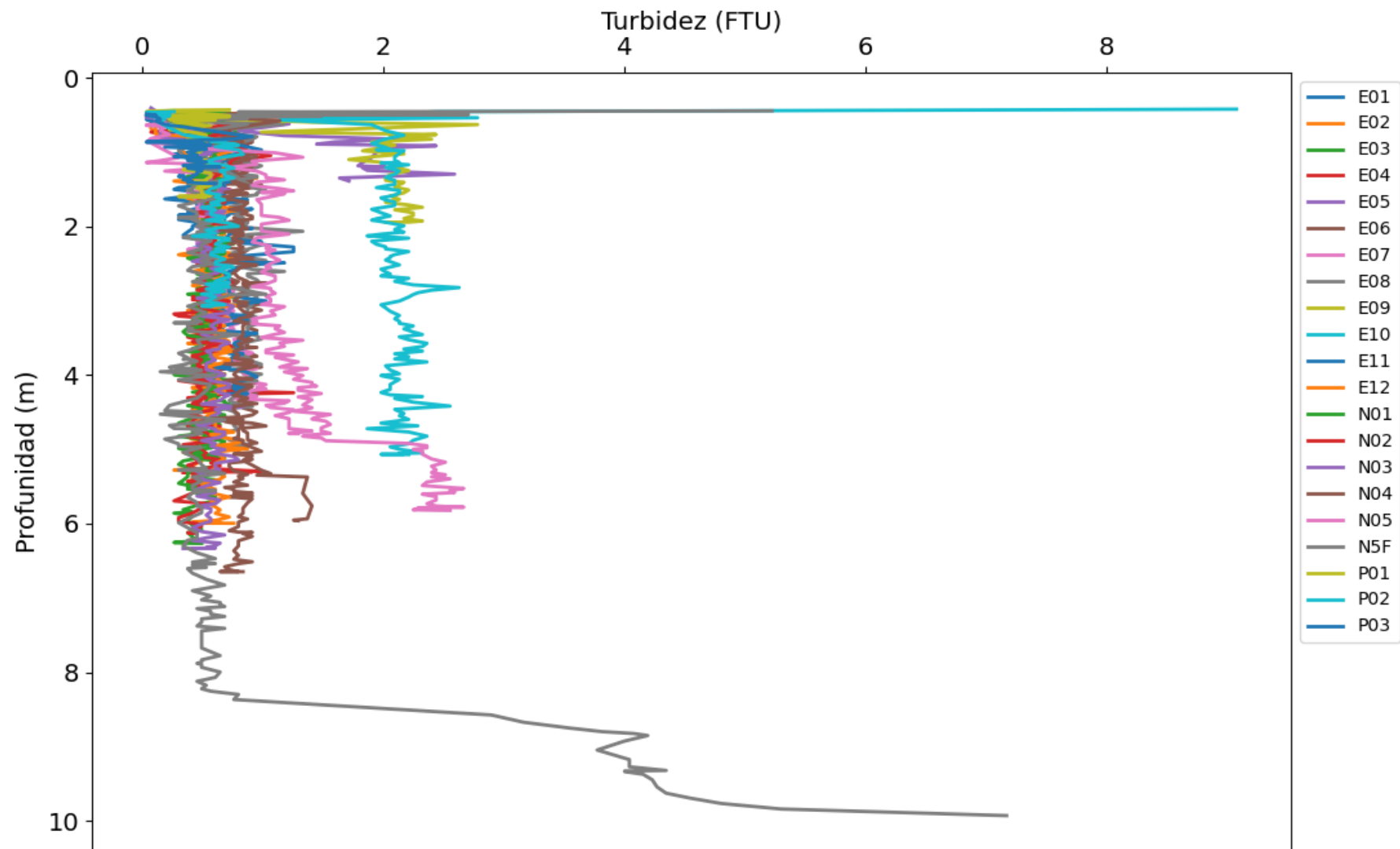
Evolución del contenido medio de la salinidad (PSU)

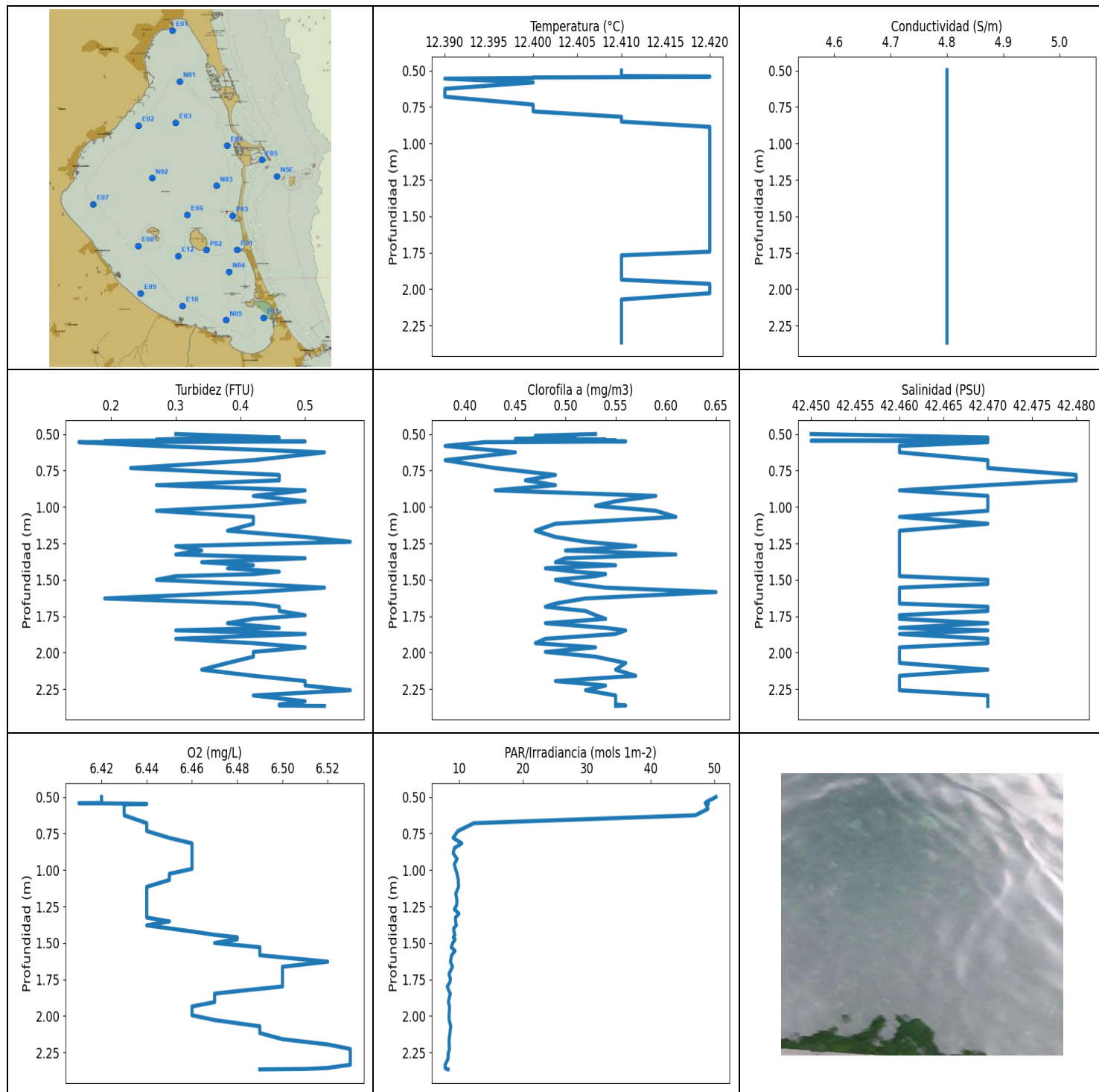












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

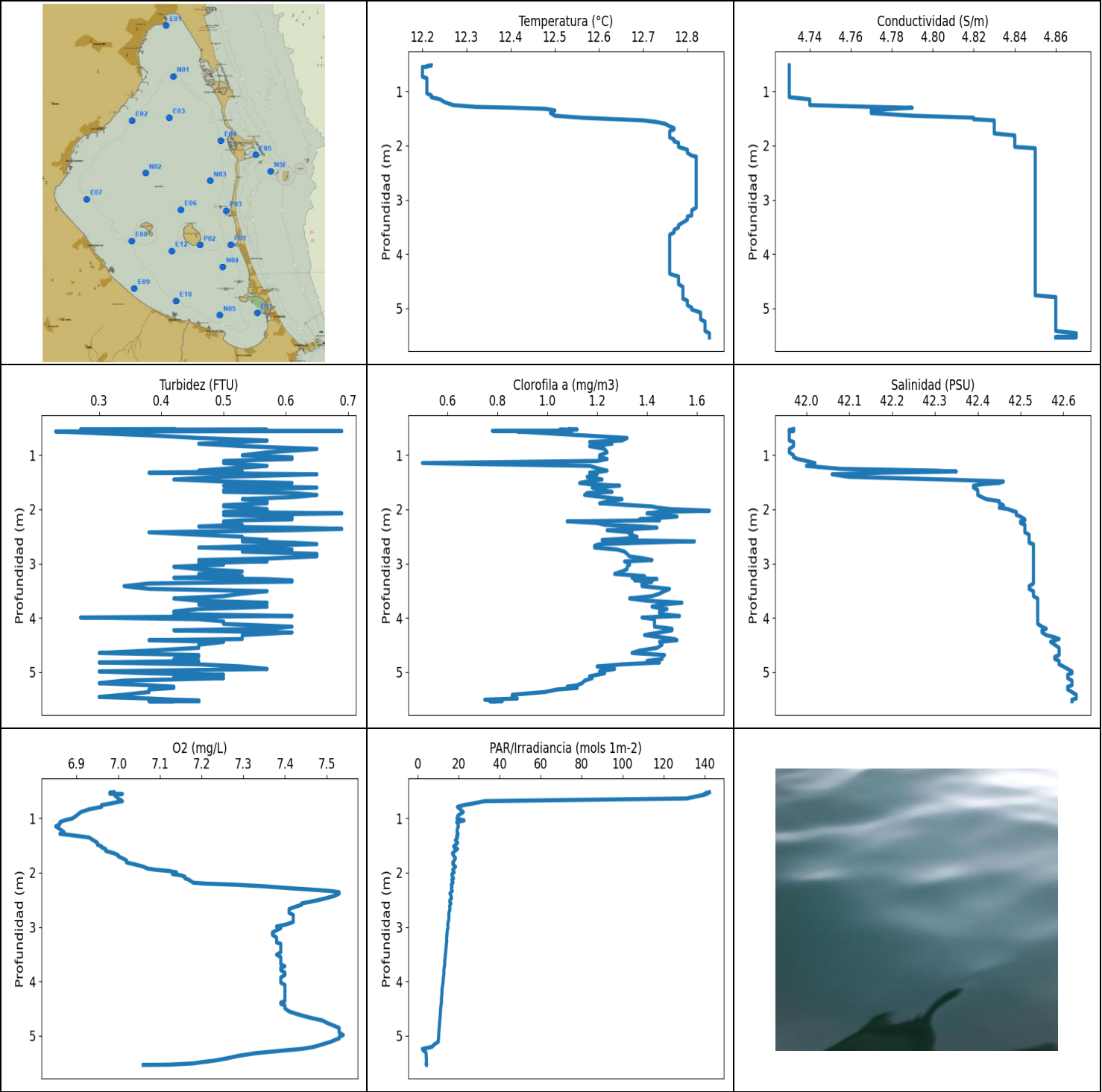
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.39	4.8	0.15	6.41	7.8	0.38	42.45
PROF (metros)	0.555	0.499	0.555	0.542	2.356	0.581	0.499
MÁXIMO	12.42	12.42	0.57	6.53	50.22	0.65	42.48
PROF (metros)	0.54	0.499	1.239	2.226	0.499	1.584	0.78

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	12.41	4.8	0.37	6.44	32.89	0.49	42.47
1 - 2m	12.42	4.8	0.4	6.47	9.03	0.52	42.46
2 - 3m	12.41	4.8	0.46	6.51	8.28	0.54	42.46

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)
0.499	12.41	4.8	0.3	6.42	50.22	0.53	42.45
0.511	12.41	4.8	0.38	6.42	49.76	0.47	42.46
0.523	12.41	4.8	0.46	6.42	49.18	0.51	42.47
0.533	12.41	4.8	0.3	6.42	48.74	0.45	42.47
0.537	12.41	4.8	0.27	6.42	48.94	0.54	42.47
0.54	12.42	4.8	0.46	6.42	48.55	0.48	42.47
0.542	12.42	4.8	0.46	6.41	48.56	0.55	42.46
0.545	12.41	4.8	0.23	6.43	48.94	0.51	42.45
0.547	12.4	4.8	0.19	6.44	49.04	0.49	42.46
0.55	12.4	4.8	0.5	6.43	48.7	0.56	42.46
0.555	12.39	4.8	0.15	6.43	48.72	0.42	42.47
0.581	12.4	4.8	0.27	6.43	48.97	0.38	42.46
0.625	12.39	4.8	0.53	6.43	46.99	0.45	42.46
0.679	12.39	4.8	0.42	6.44	12.3	0.38	42.47
0.733	12.4	4.8	0.23	6.44	9.8	0.43	42.47
0.78	12.4	4.8	0.46	6.45	9.06	0.49	42.48
0.817	12.41	4.8	0.46	6.46	10.42	0.46	42.48
0.85	12.41	4.8	0.27	6.46	9.24	0.49	42.47
0.886	12.42	4.8	0.5	6.46	9.07	0.43	42.46
0.924	12.42	4.8	0.42	6.46	9.68	0.59	42.47
0.961	12.42	4.8	0.5	6.46	9.23	0.55	42.47
0.992	12.42	4.8	0.42	6.46	9.43	0.53	42.47
1.026	12.42	4.8	0.27	6.45	9.67	0.59	42.47
1.068	12.42	4.8	0.42	6.45	9.86	0.61	42.46
1.115	12.42	4.8	0.42	6.44	9.9	0.49	42.47
1.163	12.42	4.8	0.38	6.44	9.47	0.47	42.46
1.206	12.42	4.8	0.5	6.44	9.65	0.49	42.46
1.239	12.42	4.8	0.57	6.44	9.61	0.52	42.46
1.269	12.42	4.8	0.3	6.44	9.25	0.57	42.46
1.299	12.42	4.8	0.34	6.44	9.96	0.5	42.46
1.326	12.42	4.8	0.3	6.44	9.42	0.61	42.46
1.352	12.42	4.8	0.5	6.45	9.43	0.5	42.46
1.379	12.42	4.8	0.34	6.44	9.56	0.49	42.46
1.4	12.42	4.8	0.42	6.45	9.14	0.55	42.46
1.421	12.42	4.8	0.38	6.46	9.18	0.48	42.46
1.444	12.42	4.8	0.46	6.47	9.31	0.51	42.46
1.461	12.42	4.8	0.42	6.48	9.08	0.54	42.46
1.475	12.42	4.8	0.3	6.48	9.36	0.53	42.46
1.5	12.42	4.8	0.27	6.47	8.99	0.49	42.47

1.529	12.42	4.8	0.42	6.49	8.76	0.51	42.47
1.554	12.42	4.8	0.53	6.49	9.35	0.54	42.46
1.584	12.42	4.8	0.42	6.49	8.82	0.65	42.46
1.628	12.42	4.8	0.19	6.52	8.63	0.52	42.46
1.663	12.42	4.8	0.42	6.5	8.96	0.49	42.46
1.685	12.42	4.8	0.46	6.5	8.7	0.48	42.47
1.714	12.42	4.8	0.46	6.5	8.4	0.52	42.47
1.743	12.42	4.8	0.5	6.5	8.62	0.53	42.46
1.768	12.41	4.8	0.42	6.5	8.56	0.54	42.46
1.798	12.41	4.8	0.38	6.5	8.13	0.48	42.47
1.83	12.41	4.8	0.46	6.48	8.41	0.54	42.46
1.847	12.41	4.8	0.3	6.47	8.62	0.56	42.47
1.872	12.41	4.8	0.5	6.47	8.46	0.55	42.46
1.905	12.41	4.8	0.3	6.47	8.32	0.48	42.47
1.935	12.41	4.8	0.42	6.46	8.49	0.47	42.47
1.964	12.42	4.8	0.5	6.46	8.47	0.53	42.46
1.995	12.42	4.8	0.42	6.46	8.41	0.48	42.46
2.028	12.42	4.8	0.42	6.47	8.43	0.53	42.46
2.071	12.41	4.8	0.38	6.49	8.68	0.56	42.46
2.117	12.41	4.8	0.34	6.49	8.55	0.55	42.47
2.159	12.41	4.8	0.42	6.5	8.43	0.57	42.46
2.195	12.41	4.8	0.5	6.52	8.42	0.49	42.46
2.226	12.41	4.8	0.5	6.53	8.48	0.54	42.46
2.258	12.41	4.8	0.57	6.53	8.27	0.52	42.46
2.294	12.41	4.8	0.42	6.53	8.25	0.55	42.47
2.334	12.41	4.8	0.5	6.53	7.81	0.55	42.47
2.356	12.41	4.8	0.46	6.52	7.8	0.55	42.47
2.363	12.41	4.8	0.46	6.51	8.01	0.56	42.47
2.366	12.41	4.8	0.53	6.49	8.25	0.55	42.47



VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.2	4.73	0.23	6.85	2.33	0.5	41.96
PROF (metros)	0.552	0.523	0.567	1.149	5.241	1.149	0.535
MÁXIMO	12.85	12.85	0.69	7.54	142.31	1.65	42.63
PROF (metros)	5.457	5.457	0.56	4.986	0.523	2.026	5.416

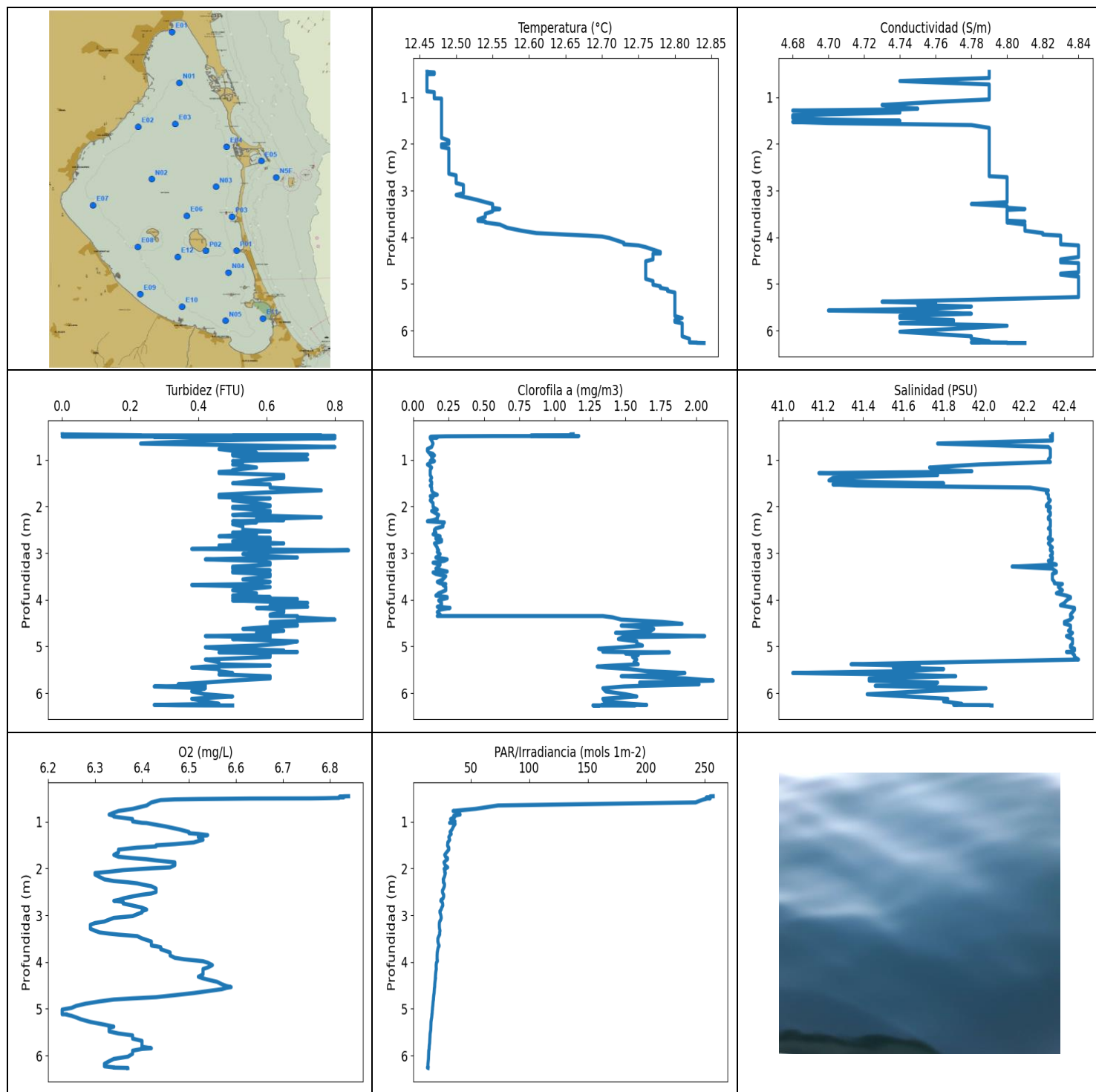
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N01 - Punto 002	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.21	4.73	0.5	6.98	91.86	1.1	41.97
1 - 2m	12.56	4.8	0.54	6.96	18.59	1.21	42.29
2 - 3m	12.82	4.85	0.55	7.38	16.01	1.34	42.51
3 - 4m	12.79	4.85	0.48	7.39	13.54	1.4	42.53
4 - 5m	12.78	4.85	0.47	7.44	11.24	1.41	42.58
5 - 6m	12.84	4.86	0.4	7.31	5.55	0.99	42.62

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.523	12.22	4.73	0.42	6.99	142.31	1.09	41.97
0.529	12.22	4.73	0.27	6.98	141.69	1.12	41.97
0.535	12.21	4.73	0.57	6.98	140.57	1.05	41.96
0.542	12.21	4.73	0.42	6.99	140.51	1.09	41.96
0.551	12.21	4.73	0.53	6.98	141.39	1.1	41.97
0.552	12.2	4.73	0.57	7.0	140.05	0.82	41.96
0.555	12.2	4.73	0.57	7.01	140.38	0.78	41.96
0.56	12.2	4.73	0.69	7.0	139.7	0.92	41.97
0.567	12.2	4.73	0.23	6.99	140.09	0.88	41.96
0.638	12.2	4.73	0.38	7.0	131.22	1.14	41.96
0.687	12.2	4.73	0.46	7.01	32.62	1.32	41.96
0.733	12.2	4.73	0.57	6.98	26.64	1.3	41.96
0.76	12.21	4.73	0.53	6.96	22.38	1.17	41.97
0.793	12.21	4.73	0.46	6.96	19.36	1.26	41.97
0.837	12.21	4.73	0.53	6.93	20.81	1.17	41.97
0.889	12.21	4.73	0.65	6.91	22.24	1.23	41.96
0.952	12.21	4.73	0.57	6.9	19.64	1.24	41.96
1.006	12.21	4.73	0.53	6.89	19.2	1.21	41.97
1.042	12.21	4.73	0.61	6.87	22.65	1.21	41.97
1.074	12.22	4.73	0.61	6.86	19.04	1.24	41.98
1.11	12.22	4.73	0.5	6.86	19.69	1.2	42.0
1.149	12.24	4.74	0.5	6.85	19.9	0.5	42.02
1.201	12.25	4.74	0.57	6.86	19.32	1.17	42.0
1.256	12.27	4.74	0.5	6.87	19.2	1.21	42.08
1.288	12.32	4.77	0.46	6.86	19.72	1.24	42.3
1.305	12.41	4.79	0.53	6.88	19.61	1.22	42.35
1.325	12.48	4.78	0.38	6.9	18.99	1.17	42.18
1.355	12.5	4.77	0.65	6.93	19.43	1.2	42.06
1.403	12.49	4.77	0.5	6.94	18.39	1.16	42.1
1.451	12.5	4.79	0.42	6.95	19.53	1.22	42.32
1.488	12.56	4.82	0.5	6.95	18.53	1.16	42.46
1.516	12.64	4.82	0.61	6.96	17.56	1.13	42.45
1.537	12.7	4.83	0.57	6.96	17.84	1.17	42.41
1.566	12.73	4.83	0.5	6.97	19.48	1.29	42.39
1.601	12.75	4.83	0.65	6.97	18.22	1.18	42.39
1.646	12.76	4.83	0.5	6.99	16.98	1.22	42.4

1.68	12.77	4.83	0.5	7.0	17.34	1.26	42.4
1.701	12.77	4.83	0.61	7.0	17.84	1.16	42.4
1.736	12.76	4.83	0.65	7.01	18.43	1.15	42.4
1.777	12.76	4.83	0.61	7.02	17.88	1.23	42.41
1.814	12.76	4.84	0.53	7.02	17.1	1.3	42.42
1.85	12.76	4.84	0.57	7.04	17.22	1.25	42.45
1.89	12.77	4.84	0.57	7.06	18.49	1.21	42.45
1.925	12.77	4.84	0.5	7.07	17.63	1.34	42.46
1.948	12.78	4.84	0.5	7.09	17.1	1.42	42.46
1.969	12.78	4.84	0.53	7.12	17.47	1.44	42.45
1.996	12.78	4.84	0.57	7.14	17.81	1.49	42.47
2.026	12.78	4.84	0.57	7.13	16.74	1.65	42.48
2.05	12.79	4.85	0.5	7.15	16.69	1.45	42.49
2.075	12.8	4.85	0.69	7.16	17.01	1.4	42.49
2.105	12.8	4.85	0.5	7.16	17.49	1.46	42.49
2.134	12.8	4.85	0.61	7.17	16.66	1.52	42.5
2.186	12.81	4.85	0.61	7.18	17.26	1.37	42.51
2.203	12.82	4.85	0.53	7.21	16.73	1.45	42.51
2.222	12.82	4.85	0.5	7.28	16.39	1.08	42.5
2.252	12.82	4.85	0.5	7.35	16.78	1.2	42.5
2.286	12.82	4.85	0.53	7.41	16.42	1.23	42.51
2.316	12.82	4.85	0.46	7.47	16.64	1.38	42.51
2.339	12.82	4.85	0.61	7.51	16.9	1.44	42.51
2.361	12.82	4.85	0.69	7.53	16.13	1.35	42.51
2.386	12.82	4.85	0.61	7.53	15.74	1.24	42.51
2.425	12.82	4.85	0.38	7.52	16.22	1.34	42.51
2.468	12.82	4.85	0.46	7.5	16.55	1.33	42.52
2.506	12.82	4.85	0.53	7.48	15.73	1.36	42.52
2.538	12.82	4.85	0.53	7.46	15.66	1.32	42.52
2.566	12.82	4.85	0.57	7.44	16.2	1.22	42.52
2.59	12.82	4.85	0.53	7.44	15.84	1.59	42.52
2.616	12.82	4.85	0.61	7.43	15.59	1.37	42.52
2.642	12.82	4.85	0.65	7.42	15.69	1.21	42.53
2.672	12.82	4.85	0.57	7.41	15.76	1.19	42.53
2.706	12.82	4.85	0.46	7.41	15.53	1.19	42.53
2.741	12.82	4.85	0.61	7.41	15.24	1.28	42.53
2.779	12.82	4.85	0.53	7.42	15.18	1.31	42.53
2.822	12.82	4.85	0.65	7.42	15.24	1.32	42.53
2.868	12.82	4.85	0.65	7.42	15.16	1.33	42.53
2.907	12.82	4.85	0.57	7.42	14.88	1.39	42.53
2.935	12.82	4.85	0.46	7.41	14.73	1.42	42.53
2.96	12.82	4.85	0.57	7.4	14.66	1.31	42.53
2.991	12.82	4.85	0.46	7.38	14.77	1.33	42.53
3.021	12.82	4.85	0.5	7.39	14.75	1.33	42.53
3.059	12.82	4.85	0.42	7.38	14.46	1.32	42.53
3.102	12.82	4.85	0.46	7.37	14.35	1.32	42.53
3.145	12.82	4.85	0.53	7.37	14.27	1.3	42.53
3.191	12.81	4.85	0.46	7.38	14.15	1.27	42.53
3.232	12.81	4.85	0.53	7.38	14.12	1.39	42.53
3.262	12.81	4.85	0.42	7.38	14.22	1.34	42.53
3.286	12.81	4.85	0.57	7.38	14.1	1.44	42.53
3.309	12.8	4.85	0.61	7.39	13.98	1.35	42.53
3.332	12.8	4.85	0.61	7.39	13.96	1.42	42.53
3.367	12.8	4.85	0.38	7.39	13.91	1.38	42.53
3.416	12.79	4.85	0.34	7.39	13.75	1.38	42.52
3.466	12.78	4.85	0.38	7.39	13.62	1.49	42.52
3.508	12.78	4.85	0.57	7.38	13.52	1.47	42.53
3.554	12.77	4.85	0.53	7.39	13.44	1.45	42.53

3.6	12.77	4.85	0.5	7.39	13.24	1.42	42.53
3.643	12.76	4.85	0.42	7.39	13.19	1.33	42.54
3.685	12.76	4.85	0.46	7.39	13.2	1.4	42.54
3.721	12.76	4.85	0.57	7.4	13.04	1.54	42.54
3.754	12.76	4.85	0.46	7.39	12.92	1.46	42.54
3.794	12.76	4.85	0.57	7.39	12.78	1.42	42.54
3.838	12.76	4.85	0.46	7.4	12.79	1.48	42.54
3.882	12.76	4.85	0.42	7.4	12.74	1.45	42.54
3.928	12.76	4.85	0.42	7.39	12.57	1.45	42.54
3.965	12.76	4.85	0.61	7.39	12.47	1.53	42.54
3.993	12.76	4.85	0.27	7.39	12.44	1.38	42.54
4.024	12.76	4.85	0.46	7.39	12.36	1.43	42.54
4.065	12.76	4.85	0.5	7.4	12.18	1.43	42.54
4.112	12.76	4.85	0.5	7.4	11.98	1.43	42.54
4.162	12.76	4.85	0.61	7.4	11.85	1.43	42.55
4.2	12.76	4.85	0.57	7.4	11.89	1.5	42.56
4.229	12.76	4.85	0.42	7.4	11.8	1.5	42.55
4.268	12.76	4.85	0.61	7.4	11.73	1.45	42.55
4.317	12.76	4.85	0.53	7.4	11.59	1.39	42.56
4.36	12.76	4.85	0.53	7.4	11.63	1.46	42.58
4.39	12.77	4.85	0.53	7.39	11.6	1.51	42.59
4.412	12.78	4.85	0.38	7.39	11.52	1.52	42.58
4.442	12.78	4.85	0.5	7.4	11.36	1.45	42.57
4.495	12.78	4.85	0.46	7.4	11.25	1.46	42.58
4.553	12.78	4.85	0.46	7.41	11.12	1.44	42.59
4.603	12.79	4.85	0.38	7.43	11.04	1.37	42.59
4.647	12.79	4.85	0.3	7.45	10.95	1.34	42.59
4.684	12.79	4.85	0.46	7.47	10.92	1.47	42.59
4.718	12.79	4.85	0.46	7.49	10.78	1.46	42.58
4.759	12.79	4.85	0.42	7.5	10.65	1.46	42.58
4.792	12.79	4.86	0.46	7.51	10.64	1.4	42.59
4.822	12.79	4.86	0.3	7.52	10.6	1.45	42.59
4.856	12.8	4.86	0.46	7.53	10.51	1.3	42.59
4.896	12.8	4.86	0.53	7.53	10.41	1.2	42.6
4.941	12.8	4.86	0.57	7.53	10.3	1.27	42.61
4.986	12.81	4.86	0.3	7.54	10.26	1.21	42.62
5.021	12.81	4.86	0.38	7.53	10.25	1.23	42.62
5.048	12.82	4.86	0.5	7.53	10.16	1.2	42.61
5.076	12.83	4.86	0.42	7.52	10.09	1.17	42.61
5.111	12.83	4.86	0.5	7.51	10.07	1.18	42.61
5.156	12.83	4.86	0.34	7.49	8.17	1.15	42.62
5.203	12.83	4.86	0.3	7.47	7.04	1.14	42.62
5.241	12.84	4.86	0.38	7.44	2.33	1.12	42.62
5.268	12.84	4.86	0.42	7.4	2.64	1.08	42.61
5.29	12.84	4.86	0.42	7.37	3.77	1.12	42.61
5.319	12.84	4.86	0.38	7.33	4.13	1.04	42.61
5.366	12.84	4.86	0.38	7.29	4.18	0.99	42.62
5.416	12.84	4.86	0.34	7.26	4.24	0.86	42.63
5.457	12.85	4.87	0.3	7.23	4.28	0.86	42.63
5.485	12.85	4.87	0.38	7.2	4.24	0.88	42.63
5.507	12.85	4.87	0.42	7.18	4.17	0.75	42.62
5.52	12.85	4.87	0.46	7.15	4.2	0.8	42.62
5.528	12.85	4.86	0.38	7.13	4.18	0.77	42.62
5.532	12.85	4.87	0.42	7.11	4.26	0.82	42.62
5.534	12.85	4.86	0.38	7.08	4.24	0.77	42.62
5.535	12.85	4.86	0.46	7.06	4.31	0.79	42.62



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	12.46	4.68	0.0	6.23	12.91	0.1	41.05
PROF (metros)	0.453	1.284	0.453	5.017	6.258	0.769	5.569
MÁXIMO	12.84	12.84	0.84	6.84	257.29	2.12	42.47
PROF (metros)	6.265	4.174	2.939	0.453	0.453	5.732	5.281

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	12.47	4.79	0.52	6.57	173.97	0.41	42.31
1 - 2m	12.48	4.76	0.55	6.44	31.07	0.13	41.96
2 - 3m	12.49	4.79	0.56	6.37	26.23	0.17	42.33
3 - 4m	12.56	4.8	0.56	6.39	22.69	0.2	42.35
4 - 5m	12.76	4.83	0.62	6.48	19.13	1.13	42.43
5 - 6m	12.8	4.79	0.49	6.32	15.69	1.57	41.93
6 - 7m	12.82	4.78	0.4	6.35	13.41	1.44	41.85

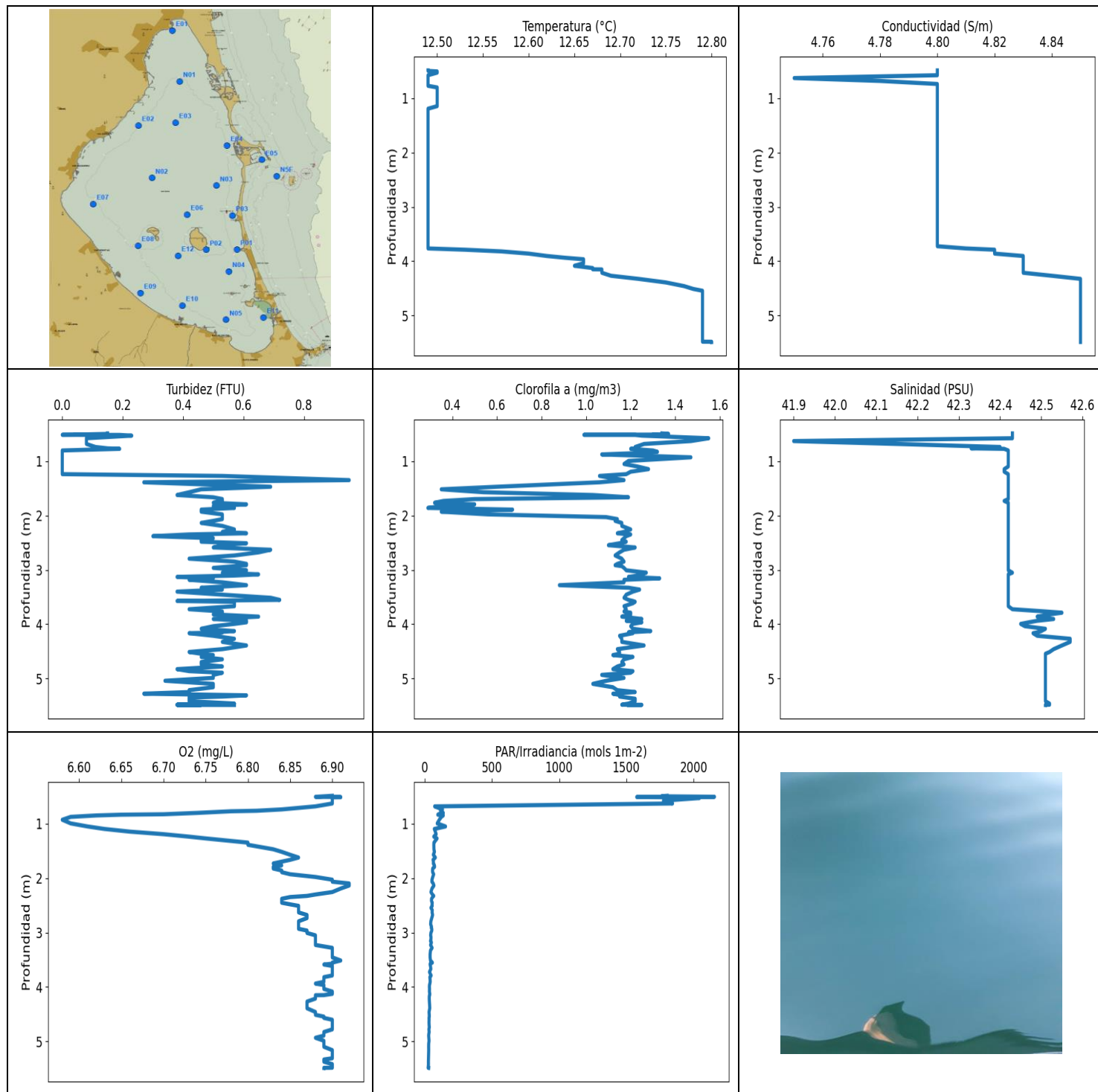
OBSERVACIONES GENERALES

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)
0.453	12.46	4.79	0.0	6.84	257.29	1.13	42.34
0.455	12.46	4.79	0.0	6.83	254.86	1.11	42.34
0.466	12.47	4.79	0.15	6.82	255.03	1.11	42.34
0.474	12.47	4.79	0.23	6.83	252.8	1.13	42.34
0.477	12.47	4.79	0.15	6.83	252.33	1.05	42.34
0.48	12.47	4.79	0.76	6.82	253.62	0.87	42.34
0.483	12.47	4.79	0.76	6.82	251.22	0.83	42.34
0.485	12.47	4.79	0.5	6.82	252.68	0.89	42.34
0.487	12.47	4.79	0.8	6.82	254.56	1.14	42.34
0.49	12.47	4.79	0.57	6.82	254.09	1.17	42.34
0.491	12.47	4.79	0.53	6.81	252.27	0.56	42.33
0.496	12.47	4.79	0.34	6.79	253.03	0.23	42.33
0.5	12.47	4.79	0.0	6.76	254.68	0.17	42.33
0.501	12.47	4.79	0.3	6.68	252.5	0.15	42.33
0.503	12.46	4.79	0.76	6.63	252.1	0.13	42.33
0.508	12.46	4.79	0.27	6.57	251.16	0.13	42.34
0.513	12.46	4.79	0.53	6.52	250.7	0.12	42.34
0.521	12.46	4.79	0.53	6.47	249.31	0.17	42.34
0.535	12.46	4.79	0.8	6.44	247.52	0.12	42.34
0.586	12.46	4.79	0.42	6.42	242.24	0.13	42.34
0.651	12.46	4.74	0.23	6.41	73.36	0.14	41.77
0.724	12.46	4.79	0.8	6.38	54.14	0.13	42.32
0.769	12.46	4.79	0.46	6.35	34.86	0.1	42.33
0.806	12.46	4.79	0.5	6.34	40.25	0.1	42.33
0.846	12.46	4.79	0.57	6.33	40.86	0.11	42.33
0.872	12.46	4.79	0.5	6.34	35.37	0.14	42.33
0.888	12.47	4.79	0.72	6.34	35.75	0.12	42.33
0.903	12.47	4.79	0.5	6.35	36.18	0.15	42.33
0.942	12.47	4.79	0.53	6.38	32.76	0.13	42.33
0.992	12.47	4.79	0.72	6.38	36.55	0.14	42.32
1.022	12.47	4.79	0.53	6.4	31.84	0.12	42.32
1.027	12.48	4.79	0.5	6.41	35.83	0.15	42.32
1.046	12.48	4.79	0.53	6.42	36.65	0.13	42.33
1.099	12.48	4.76	0.5	6.45	35.16	0.1	41.98
1.164	12.48	4.73	0.57	6.48	33.97	0.13	41.73

1.217	12.48	4.74	0.5	6.5	32.27	0.12	41.75
1.244	12.48	4.75	0.5	6.5	32.94	0.12	41.94
1.26	12.48	4.74	0.46	6.52	33.29	0.12	41.82
1.284	12.48	4.68	0.46	6.54	32.28	0.12	41.18
1.326	12.48	4.74	0.65	6.52	31.23	0.12	41.77
1.385	12.48	4.68	0.65	6.53	32.0	0.13	41.25
1.442	12.48	4.68	0.57	6.51	30.34	0.12	41.23
1.478	12.48	4.7	0.53	6.47	30.28	0.13	41.45
1.503	12.48	4.74	0.5	6.43	30.11	0.13	41.8
1.527	12.48	4.68	0.61	6.43	30.43	0.13	41.25
1.552	12.48	4.7	0.61	6.39	31.19	0.12	41.37
1.595	12.48	4.78	0.61	6.35	31.23	0.13	42.23
1.655	12.48	4.79	0.76	6.35	29.24	0.13	42.32
1.708	12.48	4.79	0.57	6.34	27.7	0.14	42.31
1.748	12.48	4.79	0.46	6.35	28.42	0.17	42.32
1.777	12.48	4.79	0.46	6.38	30.12	0.12	42.32
1.801	12.48	4.79	0.46	6.41	30.1	0.14	42.32
1.826	12.48	4.79	0.61	6.43	28.86	0.13	42.32
1.868	12.48	4.79	0.5	6.47	27.06	0.12	42.33
1.927	12.49	4.79	0.57	6.47	28.01	0.14	42.32
1.975	12.49	4.79	0.61	6.46	30.28	0.14	42.31
1.995	12.49	4.79	0.61	6.42	28.21	0.14	42.31
2.007	12.48	4.79	0.5	6.4	27.22	0.14	42.33
2.034	12.48	4.79	0.5	6.36	28.04	0.15	42.33
2.069	12.48	4.79	0.57	6.33	27.6	0.17	42.32
2.096	12.49	4.79	0.61	6.3	28.29	0.13	42.32
2.13	12.49	4.79	0.61	6.3	27.98	0.15	42.33
2.181	12.49	4.79	0.5	6.31	27.39	0.18	42.33
2.231	12.49	4.79	0.76	6.32	26.44	0.17	42.32
2.267	12.49	4.79	0.57	6.34	26.78	0.17	42.32
2.293	12.49	4.79	0.65	6.37	26.54	0.14	42.33
2.317	12.49	4.79	0.5	6.39	27.36	0.1	42.33
2.34	12.49	4.79	0.57	6.4	27.57	0.22	42.33
2.378	12.49	4.79	0.5	6.42	27.41	0.21	42.33
2.428	12.49	4.79	0.53	6.43	26.66	0.21	42.33
2.47	12.49	4.79	0.53	6.43	25.8	0.16	42.32
2.501	12.49	4.79	0.53	6.43	25.79	0.15	42.33
2.533	12.49	4.79	0.61	6.42	26.18	0.15	42.33
2.56	12.49	4.79	0.5	6.4	26.82	0.16	42.33
2.596	12.49	4.79	0.57	6.38	26.88	0.14	42.33
2.639	12.49	4.79	0.46	6.36	26.34	0.19	42.33
2.672	12.5	4.79	0.61	6.35	24.62	0.16	42.32
2.691	12.5	4.79	0.53	6.34	24.36	0.16	42.32
2.712	12.5	4.8	0.61	6.36	25.42	0.2	42.34
2.748	12.5	4.8	0.5	6.36	25.92	0.2	42.33
2.791	12.5	4.8	0.65	6.38	26.05	0.15	42.32
2.837	12.5	4.8	0.46	6.4	25.15	0.16	42.33
2.878	12.51	4.8	0.61	6.41	24.63	0.17	42.34
2.91	12.51	4.8	0.38	6.4	23.64	0.17	42.33
2.939	12.51	4.8	0.84	6.4	23.64	0.18	42.33
2.976	12.51	4.8	0.61	6.39	24.16	0.17	42.34
3.018	12.51	4.8	0.53	6.38	24.57	0.19	42.34
3.056	12.51	4.8	0.57	6.34	24.77	0.18	42.33
3.093	12.5	4.8	0.69	6.33	24.32	0.16	42.34
3.133	12.51	4.8	0.42	6.32	23.43	0.24	42.34
3.166	12.52	4.8	0.57	6.3	23.15	0.22	42.32
3.204	12.53	4.8	0.61	6.29	23.1	0.14	42.33
3.247	12.54	4.8	0.61	6.29	23.14	0.19	42.36

3.288	12.55	4.78	0.5	6.29	23.29	0.18	42.14
3.331	12.55	4.8	0.5	6.3	23.68	0.16	42.34
3.367	12.55	4.8	0.61	6.31	23.38	0.2	42.35
3.393	12.56	4.81	0.5	6.33	23.42	0.24	42.36
3.414	12.55	4.8	0.5	6.35	23.37	0.14	42.36
3.446	12.55	4.8	0.61	6.39	22.67	0.16	42.34
3.495	12.54	4.8	0.61	6.4	21.88	0.23	42.34
3.562	12.54	4.8	0.53	6.42	21.86	0.21	42.34
3.616	12.53	4.8	0.61	6.42	22.39	0.17	42.35
3.647	12.53	4.8	0.57	6.42	22.91	0.19	42.35
3.662	12.54	4.81	0.57	6.43	22.84	0.23	42.39
3.683	12.54	4.8	0.38	6.44	22.2	0.21	42.37
3.726	12.56	4.81	0.61	6.44	21.83	0.23	42.37
3.796	12.57	4.81	0.5	6.46	21.36	0.23	42.39
3.86	12.59	4.81	0.57	6.46	21.21	0.18	42.36
3.91	12.61	4.82	0.5	6.47	21.22	0.16	42.41
3.942	12.65	4.82	0.61	6.49	21.16	0.24	42.43
3.963	12.68	4.83	0.5	6.51	21.45	0.24	42.43
3.983	12.7	4.83	0.69	6.53	21.41	0.21	42.42
4.015	12.71	4.83	0.5	6.54	20.63	0.18	42.41
4.066	12.72	4.83	0.72	6.55	20.41	0.2	42.4
4.117	12.73	4.83	0.61	6.54	20.43	0.2	42.38
4.15	12.73	4.83	0.72	6.53	20.52	0.17	42.42
4.174	12.75	4.84	0.57	6.53	20.34	0.26	42.45
4.211	12.76	4.84	0.65	6.53	20.1	0.19	42.45
4.264	12.77	4.84	0.65	6.53	19.89	0.17	42.44
4.315	12.78	4.84	0.61	6.52	19.75	0.19	42.43
4.348	12.78	4.84	0.61	6.53	19.69	0.17	42.43
4.349	12.77	4.84	0.69	6.53	19.85	1.34	42.43
4.376	12.77	4.84	0.69	6.54	19.65	1.41	42.44
4.424	12.77	4.84	0.8	6.56	19.4	1.47	42.43
4.474	12.77	4.83	0.61	6.57	19.22	1.76	42.4
4.514	12.76	4.83	0.61	6.58	19.15	1.9	42.4
4.536	12.76	4.83	0.69	6.59	19.12	1.64	42.42
4.553	12.76	4.84	0.69	6.58	18.95	1.47	42.43
4.581	12.76	4.84	0.61	6.57	18.87	1.59	42.43
4.623	12.76	4.84	0.53	6.54	18.74	1.7	42.43
4.664	12.76	4.84	0.65	6.51	18.64	1.68	42.42
4.709	12.76	4.84	0.57	6.47	18.38	1.43	42.44
4.752	12.76	4.84	0.61	6.43	18.21	1.66	42.43
4.778	12.76	4.83	0.42	6.38	18.11	2.06	42.41
4.802	12.76	4.83	0.61	6.34	18.11	1.48	42.42
4.842	12.76	4.84	0.5	6.31	17.82	1.45	42.44
4.891	12.76	4.84	0.69	6.28	17.65	1.58	42.44
4.938	12.77	4.84	0.65	6.26	17.49	1.58	42.44
4.981	12.77	4.84	0.57	6.25	17.27	1.62	42.43
5.017	12.77	4.84	0.42	6.23	17.22	1.48	42.43
5.048	12.78	4.84	0.46	6.23	17.03	1.31	42.45
5.085	12.78	4.84	0.65	6.23	17.0	1.36	42.45
5.112	12.79	4.84	0.5	6.23	16.87	1.34	42.43
5.118	12.79	4.84	0.69	6.23	16.82	1.42	42.41
5.119	12.79	4.84	0.57	6.24	16.76	1.47	42.43
5.127	12.79	4.84	0.46	6.24	16.78	1.81	42.44
5.15	12.79	4.84	0.61	6.25	16.72	1.5	42.44
5.185	12.8	4.84	0.61	6.26	16.59	1.59	42.45
5.225	12.8	4.84	0.61	6.27	16.3	1.55	42.45
5.281	12.8	4.84	0.42	6.29	16.0	1.58	42.47
5.339	12.8	4.78	0.46	6.32	15.91	1.56	41.82

5.382	12.8	4.73	0.46	6.34	15.87	1.59	41.34
5.41	12.8	4.76	0.61	6.33	15.81	1.41	41.61
5.431	12.8	4.76	0.42	6.33	15.8	1.3	41.68
5.453	12.8	4.75	0.38	6.33	15.75	1.37	41.55
5.484	12.8	4.78	0.46	6.33	15.55	1.53	41.8
5.528	12.8	4.76	0.46	6.35	15.26	1.65	41.63
5.569	12.8	4.7	0.5	6.38	15.14	1.92	41.05
5.6	12.8	4.75	0.46	6.38	15.11	1.83	41.56
5.638	12.8	4.78	0.61	6.38	15.0	1.47	41.86
5.686	12.8	4.74	0.61	6.4	14.92	1.93	41.43
5.732	12.81	4.74	0.5	6.4	14.82	2.12	41.43
5.774	12.8	4.77	0.42	6.4	14.6	1.6	41.77
5.812	12.8	4.77	0.34	6.4	14.47	2.02	41.75
5.844	12.81	4.74	0.42	6.42	14.42	1.62	41.46
5.858	12.81	4.76	0.27	6.4	14.41	1.49	41.59
5.896	12.81	4.8	0.42	6.38	14.07	1.34	42.01
5.963	12.81	4.77	0.38	6.38	13.97	1.36	41.69
6.024	12.81	4.74	0.42	6.37	13.91	1.5	41.42
6.072	12.81	4.76	0.5	6.34	13.82	1.58	41.62
6.122	12.81	4.78	0.38	6.33	13.61	1.34	41.82
6.177	12.82	4.78	0.42	6.32	13.4	1.35	41.8
6.23	12.82	4.79	0.46	6.32	13.34	1.54	41.89
6.254	12.82	4.78	0.27	6.34	13.18	1.65	41.85
6.258	12.83	4.8	0.3	6.34	12.91	1.33	42.03
6.262	12.83	4.8	0.34	6.36	13.11	1.57	42.03
6.265	12.84	4.8	0.42	6.37	13.33	1.27	42.03
6.266	12.84	4.81	0.5	6.37	13.49	1.31	42.04



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	12.49	4.75	0.0	6.58	27.56	0.29	41.9
PROF (metros)	0.487	0.628	0.513	0.927	5.485	1.859	0.628
MÁXIMO	12.8	12.8	0.95	6.92	2153.6	1.55	42.57
PROF (metros)	5.483	4.325	1.347	2.097	0.505	0.576	4.268

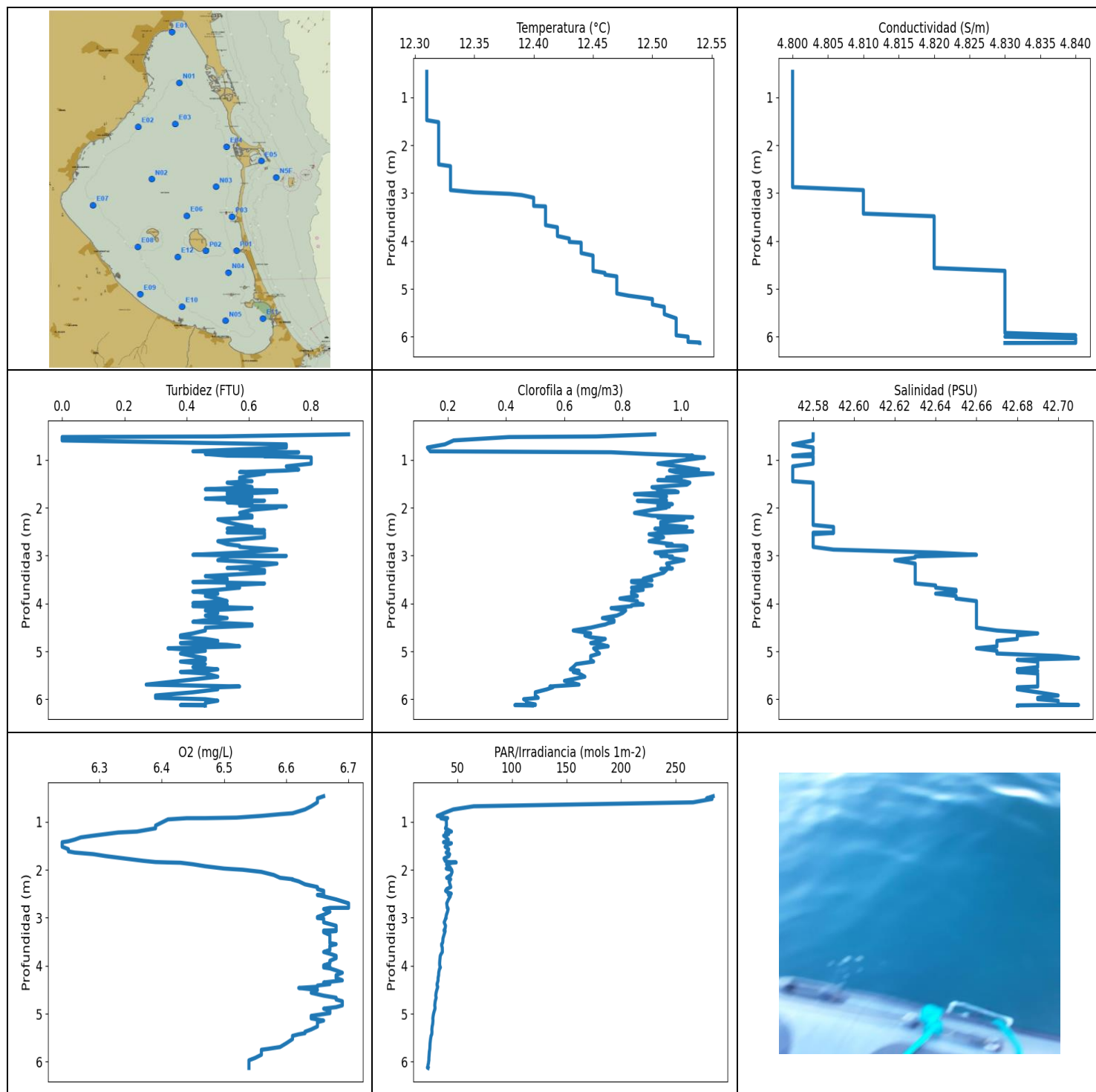
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E02 - Punto 004	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.49	4.8	0.12	6.88	1336.25	1.31	42.36
1 - 2m	12.49	4.8	0.52	6.83	69.49	0.64	42.42
2 - 3m	12.49	4.8	0.53	6.87	55.88	1.16	42.42
3 - 4m	12.52	4.81	0.54	6.89	44.88	1.2	42.44
4 - 5m	12.75	4.84	0.49	6.89	35.48	1.18	42.51
5 - 6m	12.79	4.85	0.45	6.9	29.84	1.17	42.51

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.487	12.49	4.8	0.15	6.9	1801.6	1.34	42.43
0.496	12.49	4.8	0.15	6.89	1759.9	1.37	42.43
0.505	12.5	4.8	0.08	6.88	2153.6	1.35	42.43
0.506	12.5	4.8	0.04	6.88	1951.6	1.3	42.43
0.509	12.5	4.8	0.08	6.91	1576.1	1.32	42.43
0.513	12.5	4.8	0.0	6.91	1777.5	0.99	42.43
0.515	12.5	4.8	0.19	6.9	2013.6	1.22	42.43
0.528	12.5	4.8	0.23	6.9	2041.8	1.25	42.43
0.576	12.49	4.8	0.08	6.9	1774.6	1.55	42.43
0.628	12.49	4.75	0.08	6.9	1842.1	1.47	41.9
0.681	12.49	4.78	0.08	6.88	75.62	1.26	42.15
0.737	12.49	4.8	0.11	6.84	133.77	1.22	42.4
0.762	12.49	4.8	0.15	6.81	119.35	1.22	42.33
0.771	12.49	4.8	0.19	6.78	127.59	1.2	42.41
0.801	12.5	4.8	0.0	6.74	139.89	1.3	42.42
0.826	12.5	4.8	0.0	6.7	102.88	1.32	42.42
0.834	12.5	4.8	0.0	6.65	99.06	1.22	42.42
0.848	12.5	4.8	0.0	6.62	139.63	1.24	42.42
0.874	12.5	4.8	0.0	6.59	125.54	1.07	42.42
0.927	12.5	4.8	0.0	6.58	110.26	1.47	42.42
0.994	12.5	4.8	0.0	6.59	94.75	1.19	42.42
1.05	12.5	4.8	0.0	6.61	156.5	1.17	42.42
1.096	12.5	4.8	0.0	6.63	73.17	1.23	42.42
1.145	12.5	4.8	0.0	6.66	80.69	1.28	42.41
1.192	12.49	4.8	0.0	6.7	86.76	1.2	42.41
1.237	12.49	4.8	0.0	6.73	69.16	1.18	42.42
1.27	12.49	4.8	0.53	6.75	93.46	1.06	42.42
1.347	12.49	4.8	0.95	6.8	70.35	1.17	42.42
1.387	12.49	4.8	0.27	6.8	69.63	1.06	42.42
1.469	12.49	4.8	0.69	6.83	70.3	0.6	42.42
1.516	12.49	4.8	0.46	6.84	73.99	0.35	42.42
1.57	12.49	4.8	0.42	6.85	65.9	0.54	42.42
1.621	12.49	4.8	0.38	6.86	80.86	1.03	42.42
1.663	12.49	4.8	0.5	6.85	63.76	1.19	42.42
1.696	12.49	4.8	0.53	6.84	66.79	0.5	42.42
1.73	12.49	4.8	0.53	6.83	65.77	0.36	42.41

1.764	12.49	4.8	0.5	6.84	73.75	0.32	42.42
1.793	12.49	4.8	0.61	6.83	75.03	0.5	42.42
1.823	12.49	4.8	0.5	6.83	61.16	0.36	42.42
1.859	12.49	4.8	0.57	6.84	60.05	0.29	42.42
1.89	12.49	4.8	0.46	6.84	60.62	0.67	42.42
1.928	12.49	4.8	0.46	6.85	68.48	0.35	42.42
1.978	12.49	4.8	0.53	6.88	61.5	0.56	42.42
2.028	12.49	4.8	0.53	6.9	55.81	1.09	42.42
2.065	12.49	4.8	0.53	6.9	55.38	1.14	42.42
2.097	12.49	4.8	0.5	6.92	64.82	1.13	42.42
2.135	12.49	4.8	0.46	6.92	70.22	1.16	42.42
2.19	12.49	4.8	0.53	6.91	56.0	1.16	42.42
2.255	12.49	4.8	0.57	6.9	48.14	1.2	42.42
2.3	12.49	4.8	0.53	6.88	59.18	1.17	42.42
2.326	12.49	4.8	0.61	6.87	68.65	1.14	42.42
2.347	12.49	4.8	0.42	6.85	60.76	1.2	42.42
2.379	12.49	4.8	0.3	6.84	52.7	1.18	42.42
2.416	12.49	4.8	0.5	6.84	52.08	1.17	42.42
2.451	12.49	4.8	0.46	6.84	57.66	1.16	42.42
2.481	12.49	4.8	0.46	6.85	56.48	1.18	42.42
2.509	12.49	4.8	0.61	6.86	57.3	1.15	42.42
2.545	12.49	4.8	0.53	6.86	48.35	1.1	42.42
2.587	12.49	4.8	0.5	6.86	57.75	1.22	42.42
2.629	12.49	4.8	0.69	6.86	56.82	1.17	42.42
2.677	12.49	4.8	0.65	6.87	60.3	1.15	42.42
2.734	12.49	4.8	0.57	6.87	54.11	1.13	42.42
2.793	12.49	4.8	0.42	6.86	47.39	1.16	42.42
2.847	12.49	4.8	0.57	6.86	45.77	1.17	42.42
2.889	12.49	4.8	0.61	6.86	51.85	1.14	42.42
2.913	12.49	4.8	0.61	6.86	50.72	1.13	42.42
2.931	12.49	4.8	0.57	6.86	54.34	1.16	42.42
2.963	12.49	4.8	0.5	6.87	54.41	1.17	42.42
3.007	12.49	4.8	0.61	6.87	47.56	1.18	42.42
3.051	12.49	4.8	0.53	6.88	45.75	1.27	42.43
3.082	12.49	4.8	0.65	6.88	48.54	1.25	42.42
3.104	12.49	4.8	0.57	6.88	48.36	1.23	42.42
3.129	12.49	4.8	0.38	6.88	47.56	1.19	42.42
3.155	12.49	4.8	0.5	6.88	44.77	1.33	42.42
3.182	12.49	4.8	0.42	6.88	51.72	1.17	42.42
3.228	12.49	4.8	0.53	6.88	45.19	1.17	42.42
3.281	12.49	4.8	0.61	6.9	56.5	0.88	42.42
3.328	12.49	4.8	0.46	6.9	44.6	1.19	42.42
3.362	12.49	4.8	0.53	6.9	43.47	1.24	42.42
3.4	12.49	4.8	0.38	6.9	41.88	1.21	42.42
3.456	12.49	4.8	0.53	6.9	41.95	1.18	42.42
3.513	12.49	4.8	0.69	6.91	44.49	1.17	42.42
3.552	12.49	4.8	0.72	6.9	58.7	1.19	42.42
3.572	12.49	4.8	0.38	6.9	42.5	1.21	42.42
3.587	12.49	4.8	0.57	6.89	41.88	1.22	42.42
3.614	12.49	4.8	0.57	6.9	44.39	1.21	42.42
3.668	12.49	4.8	0.57	6.9	47.34	1.17	42.42
3.724	12.49	4.8	0.42	6.9	37.18	1.18	42.43
3.765	12.49	4.81	0.53	6.9	44.36	1.17	42.51
3.788	12.53	4.82	0.53	6.9	49.57	1.2	42.55
3.819	12.57	4.82	0.5	6.89	40.04	1.2	42.52
3.86	12.6	4.82	0.65	6.89	41.72	1.16	42.49
3.904	12.62	4.83	0.5	6.89	42.53	1.25	42.53
3.937	12.64	4.83	0.61	6.88	40.04	1.18	42.49

3.964	12.66	4.83	0.61	6.89	37.45	1.25	42.47
3.994	12.66	4.83	0.57	6.89	36.7	1.21	42.45
4.036	12.66	4.83	0.5	6.89	37.52	1.2	42.46
4.084	12.65	4.83	0.46	6.9	36.86	1.21	42.51
4.126	12.67	4.83	0.57	6.9	39.53	1.29	42.5
4.149	12.67	4.83	0.5	6.89	38.71	1.19	42.49
4.151	12.68	4.83	0.53	6.88	38.0	1.21	42.49
4.165	12.68	4.83	0.42	6.88	36.04	1.21	42.48
4.213	12.68	4.83	0.5	6.88	35.66	1.15	42.49
4.268	12.69	4.84	0.57	6.87	36.57	1.16	42.57
4.325	12.72	4.85	0.53	6.87	38.13	1.16	42.57
4.391	12.75	4.85	0.61	6.87	39.22	1.26	42.55
4.459	12.77	4.85	0.53	6.88	33.98	1.14	42.53
4.511	12.78	4.85	0.42	6.88	35.53	1.15	42.52
4.544	12.79	4.85	0.46	6.89	35.79	1.15	42.51
4.568	12.79	4.85	0.5	6.89	33.88	1.12	42.51
4.602	12.79	4.85	0.46	6.9	34.43	1.21	42.51
4.646	12.79	4.85	0.53	6.9	33.72	1.17	42.51
4.696	12.79	4.85	0.46	6.9	34.41	1.16	42.51
4.738	12.79	4.85	0.46	6.9	35.99	1.17	42.51
4.778	12.79	4.85	0.53	6.9	32.92	1.14	42.51
4.827	12.79	4.85	0.38	6.89	34.99	1.12	42.51
4.864	12.79	4.85	0.42	6.89	32.21	1.21	42.51
4.893	12.79	4.85	0.53	6.89	31.17	1.2	42.51
4.933	12.79	4.85	0.5	6.88	32.18	1.07	42.51
4.988	12.79	4.85	0.5	6.89	33.98	1.17	42.51
5.041	12.79	4.85	0.34	6.89	31.47	1.09	42.51
5.098	12.79	4.85	0.5	6.89	31.03	1.03	42.51
5.16	12.79	4.85	0.5	6.9	31.43	1.12	42.51
5.214	12.79	4.85	0.42	6.9	30.89	1.14	42.51
5.249	12.79	4.85	0.42	6.9	30.25	1.22	42.51
5.279	12.79	4.85	0.27	6.9	30.15	1.12	42.51
5.309	12.79	4.85	0.61	6.9	30.36	1.16	42.51
5.332	12.79	4.85	0.53	6.89	29.29	1.15	42.51
5.349	12.79	4.85	0.42	6.89	29.76	1.18	42.51
5.372	12.79	4.85	0.42	6.89	29.24	1.22	42.51
5.417	12.79	4.85	0.42	6.9	29.52	1.22	42.51
5.461	12.79	4.85	0.57	6.9	28.4	1.19	42.52
5.482	12.79	4.85	0.38	6.9	28.96	1.16	42.52
5.483	12.8	4.85	0.46	6.9	28.07	1.21	42.51
5.485	12.8	4.85	0.38	6.89	27.56	1.25	42.51
5.487	12.8	4.85	0.57	6.89	31.06	1.19	42.51



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.31	4.8	0.0	6.24	22.66	0.13	42.57
PROF (metros)	0.467	0.467	0.524	1.426	6.123	0.743	0.677
MÁXIMO	12.54	12.54	0.92	6.7	284.25	1.11	42.71
PROF (metros)	6.121	5.971	0.467	2.699	0.467	1.289	5.143

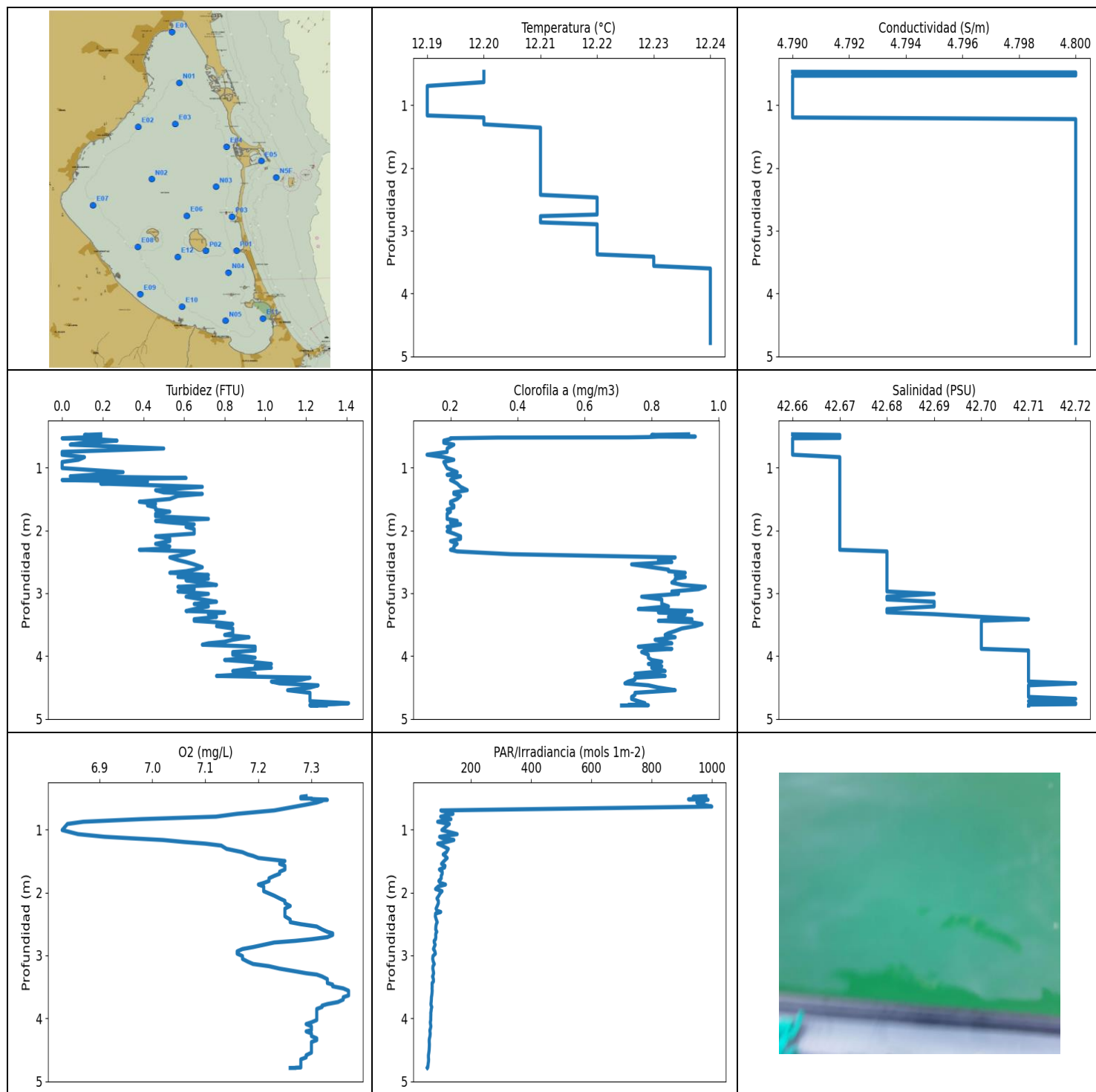
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N02 - Punto 005	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.31	4.8	0.66	6.56	84.77	0.72	42.58
1 - 2m	12.32	4.8	0.62	6.35	41.35	0.96	42.58
2 - 3m	12.33	4.8	0.58	6.65	42.07	0.95	42.59
3 - 4m	12.41	4.82	0.54	6.67	36.85	0.9	42.64
4 - 5m	12.45	4.82	0.48	6.67	31.39	0.74	42.67
5 - 6m	12.51	4.83	0.43	6.61	25.92	0.61	42.69
6 - 7m	12.54	4.84	0.45	6.54	23.14	0.48	42.69

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)
0.467	12.31	4.8	0.92	6.66	284.25	0.91	42.58
0.512	12.31	4.8	0.5	6.65	278.13	0.71	42.58
0.524	12.31	4.8	0.0	6.65	283.2	0.41	42.58
0.595	12.31	4.8	0.0	6.65	265.78	0.22	42.58
0.677	12.31	4.8	0.72	6.64	65.04	0.19	42.57
0.743	12.31	4.8	0.72	6.63	46.3	0.13	42.58
0.822	12.31	4.8	0.42	6.61	37.45	0.14	42.58
0.842	12.31	4.8	0.76	6.59	35.57	0.76	42.58
0.877	12.31	4.8	0.46	6.56	31.7	0.88	42.58
0.913	12.31	4.8	0.53	6.52	37.89	1.04	42.57
0.924	12.31	4.8	0.72	6.47	41.2	1.03	42.57
0.925	12.31	4.8	0.65	6.44	34.99	1.02	42.58
0.95	12.31	4.8	0.8	6.41	39.94	1.08	42.58
1.079	12.31	4.8	0.8	6.39	40.12	0.92	42.58
1.136	12.31	4.8	0.72	6.39	39.2	0.99	42.57
1.204	12.31	4.8	0.76	6.36	44.68	1.06	42.57
1.223	12.31	4.8	0.72	6.33	39.31	0.96	42.57
1.256	12.31	4.8	0.57	6.31	42.17	0.98	42.57
1.289	12.31	4.8	0.65	6.29	37.56	1.11	42.57
1.325	12.31	4.8	0.61	6.27	39.59	1.04	42.57
1.371	12.31	4.8	0.57	6.26	41.79	0.95	42.57
1.406	12.31	4.8	0.57	6.25	40.05	1.0	42.57
1.426	12.31	4.8	0.57	6.24	37.4	0.92	42.57
1.447	12.31	4.8	0.61	6.24	44.64	1.01	42.57
1.477	12.31	4.8	0.53	6.24	41.43	1.03	42.58
1.519	12.32	4.8	0.57	6.24	38.87	1.02	42.58
1.571	12.32	4.8	0.61	6.25	42.17	0.9	42.58
1.616	12.32	4.8	0.46	6.25	41.65	0.93	42.58
1.641	12.32	4.8	0.69	6.26	39.81	0.92	42.58
1.652	12.32	4.8	0.53	6.27	40.75	0.98	42.58
1.674	12.32	4.8	0.69	6.29	43.04	0.99	42.58
1.715	12.32	4.8	0.53	6.31	42.33	0.84	42.58
1.764	12.32	4.8	0.61	6.34	37.92	0.95	42.58
1.813	12.32	4.8	0.46	6.37	38.91	0.93	42.58
1.839	12.32	4.8	0.57	6.39	41.95	0.93	42.58

1.847	12.32	4.8	0.61	6.41	49.0	0.95	42.58
1.853	12.32	4.8	0.65	6.43	45.22	0.85	42.58
1.885	12.32	4.8	0.53	6.45	40.16	0.91	42.58
1.927	12.32	4.8	0.61	6.47	41.28	0.97	42.58
1.958	12.32	4.8	0.57	6.49	43.75	0.92	42.58
1.974	12.32	4.8	0.72	6.5	39.89	0.96	42.58
1.983	12.32	4.8	0.65	6.51	41.02	0.93	42.58
1.999	12.32	4.8	0.69	6.53	44.87	0.95	42.58
2.044	12.32	4.8	0.61	6.56	45.29	0.9	42.58
2.109	12.32	4.8	0.57	6.58	44.25	0.84	42.58
2.167	12.32	4.8	0.61	6.59	40.3	0.9	42.58
2.197	12.32	4.8	0.57	6.61	44.0	1.04	42.58
2.205	12.32	4.8	0.61	6.61	43.62	0.92	42.58
2.242	12.32	4.8	0.5	6.62	42.51	1.01	42.58
2.303	12.32	4.8	0.53	6.63	43.29	0.93	42.58
2.36	12.32	4.8	0.57	6.65	44.06	0.93	42.58
2.402	12.32	4.8	0.61	6.65	40.3	1.02	42.59
2.438	12.33	4.8	0.53	6.66	39.3	0.91	42.59
2.47	12.33	4.8	0.65	6.66	41.17	0.93	42.59
2.497	12.33	4.8	0.61	6.66	44.5	1.04	42.59
2.517	12.33	4.8	0.53	6.66	42.32	0.97	42.59
2.522	12.33	4.8	0.61	6.65	41.9	0.96	42.58
2.526	12.33	4.8	0.65	6.65	43.75	0.94	42.59
2.554	12.33	4.8	0.65	6.66	43.61	0.89	42.58
2.618	12.33	4.8	0.65	6.68	41.92	0.94	42.58
2.699	12.33	4.8	0.5	6.7	40.36	0.89	42.58
2.763	12.33	4.8	0.53	6.7	40.65	0.97	42.58
2.793	12.33	4.8	0.57	6.7	40.81	0.95	42.58
2.794	12.33	4.8	0.57	6.67	41.31	1.01	42.58
2.819	12.33	4.8	0.57	6.66	41.65	1.02	42.58
2.875	12.33	4.8	0.69	6.67	41.04	1.02	42.59
2.938	12.33	4.81	0.57	6.66	40.08	0.91	42.64
2.984	12.35	4.81	0.42	6.65	39.68	0.95	42.66
3.006	12.37	4.81	0.72	6.65	39.84	0.93	42.64
3.017	12.38	4.81	0.53	6.66	39.27	0.97	42.63
3.042	12.39	4.81	0.53	6.66	38.98	0.96	42.63
3.096	12.4	4.81	0.5	6.66	38.01	1.01	42.62
3.167	12.4	4.81	0.69	6.68	39.25	0.95	42.63
3.229	12.4	4.81	0.61	6.68	38.82	0.96	42.63
3.259	12.4	4.81	0.53	6.68	37.92	0.95	42.63
3.268	12.4	4.81	0.61	6.66	37.91	0.97	42.63
3.278	12.41	4.81	0.57	6.68	38.91	0.93	42.63
3.302	12.41	4.81	0.65	6.66	38.59	0.95	42.63
3.358	12.41	4.81	0.65	6.67	37.86	0.94	42.63
3.429	12.41	4.81	0.46	6.67	36.93	0.9	42.63
3.484	12.41	4.82	0.53	6.67	36.77	0.87	42.63
3.515	12.41	4.82	0.53	6.67	36.62	0.9	42.63
3.53	12.41	4.82	0.53	6.67	36.31	0.83	42.63
3.551	12.41	4.82	0.42	6.68	35.69	0.83	42.63
3.582	12.41	4.82	0.65	6.67	35.72	0.86	42.63
3.623	12.41	4.82	0.53	6.67	36.29	0.9	42.64
3.67	12.41	4.82	0.57	6.67	36.31	0.83	42.64
3.714	12.42	4.82	0.5	6.66	36.35	0.87	42.65
3.751	12.42	4.82	0.42	6.67	35.33	0.83	42.65
3.794	12.42	4.82	0.5	6.68	34.44	0.83	42.64
3.843	12.42	4.82	0.46	6.68	34.22	0.85	42.65
3.897	12.42	4.82	0.5	6.67	34.01	0.79	42.65
3.95	12.43	4.82	0.53	6.67	33.87	0.85	42.66

3.994	12.43	4.82	0.42	6.66	33.94	0.85	42.66
4.02	12.43	4.82	0.53	6.67	34.27	0.87	42.66
4.036	12.44	4.82	0.53	6.66	34.57	0.83	42.66
4.056	12.44	4.82	0.42	6.67	33.92	0.83	42.66
4.097	12.44	4.82	0.61	6.68	33.42	0.76	42.66
4.146	12.44	4.82	0.46	6.69	33.01	0.81	42.66
4.197	12.44	4.82	0.5	6.68	32.94	0.8	42.66
4.252	12.44	4.82	0.46	6.68	32.45	0.78	42.66
4.305	12.45	4.82	0.53	6.69	32.44	0.73	42.66
4.35	12.45	4.82	0.46	6.66	31.93	0.77	42.66
4.383	12.45	4.82	0.42	6.67	31.47	0.77	42.66
4.413	12.45	4.82	0.53	6.65	31.57	0.75	42.66
4.438	12.45	4.82	0.61	6.65	32.14	0.74	42.66
4.463	12.45	4.82	0.61	6.62	31.88	0.72	42.66
4.505	12.45	4.82	0.46	6.65	31.26	0.69	42.66
4.564	12.45	4.82	0.46	6.64	30.63	0.63	42.67
4.624	12.45	4.83	0.42	6.66	30.3	0.69	42.69
4.667	12.46	4.83	0.38	6.68	30.69	0.67	42.68
4.704	12.46	4.83	0.38	6.68	30.22	0.69	42.68
4.74	12.47	4.83	0.46	6.69	29.81	0.74	42.68
4.781	12.47	4.83	0.5	6.69	29.63	0.72	42.67
4.826	12.47	4.83	0.38	6.69	29.4	0.69	42.67
4.863	12.47	4.83	0.53	6.68	29.64	0.73	42.67
4.895	12.47	4.83	0.57	6.66	29.65	0.75	42.67
4.936	12.47	4.83	0.34	6.67	29.08	0.7	42.66
4.988	12.47	4.83	0.46	6.67	28.42	0.71	42.67
5.045	12.47	4.83	0.38	6.64	27.95	0.72	42.67
5.097	12.47	4.83	0.42	6.64	27.64	0.69	42.7
5.143	12.48	4.83	0.46	6.66	27.76	0.69	42.71
5.177	12.49	4.83	0.46	6.65	27.62	0.69	42.68
5.213	12.5	4.83	0.38	6.65	27.5	0.7	42.69
5.266	12.5	4.83	0.46	6.65	27.02	0.64	42.69
5.328	12.5	4.83	0.42	6.64	26.74	0.63	42.69
5.376	12.51	4.83	0.5	6.63	26.85	0.62	42.68
5.406	12.51	4.83	0.46	6.63	26.77	0.65	42.69
5.429	12.51	4.83	0.38	6.62	26.66	0.63	42.68
5.462	12.51	4.83	0.46	6.61	26.02	0.65	42.69
5.529	12.51	4.83	0.5	6.61	25.54	0.67	42.69
5.616	12.52	4.83	0.38	6.6	25.1	0.6	42.69
5.694	12.52	4.83	0.27	6.59	24.97	0.65	42.69
5.734	12.52	4.83	0.57	6.57	24.85	0.55	42.69
5.751	12.52	4.83	0.5	6.56	24.72	0.56	42.68
5.792	12.52	4.83	0.5	6.56	24.45	0.54	42.68
5.855	12.52	4.83	0.42	6.56	24.27	0.5	42.69
5.921	12.52	4.83	0.3	6.55	24.04	0.5	42.7
5.971	12.52	4.84	0.3	6.54	24.0	0.51	42.69
5.999	12.53	4.83	0.46	6.54	23.78	0.46	42.69
6.031	12.53	4.84	0.5	6.54	23.64	0.47	42.7
6.074	12.53	4.84	0.46	6.54	23.17	0.47	42.7
6.108	12.53	4.84	0.46	6.54	23.24	0.5	42.7
6.121	12.54	4.84	0.46	6.54	22.92	0.5	42.71
6.123	12.54	4.84	0.38	6.54	22.66	0.43	42.69
6.128	12.54	4.84	0.46	6.54	23.06	0.48	42.68
6.131	12.54	4.83	0.46	6.54	23.28	0.49	42.68



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	12.19	4.79	0.0	6.83	55.45	0.13	42.66
PROF (metros)	0.694	0.468	0.531	1.006	4.785	0.793	0.468
MÁXIMO	12.24	12.24	1.41	7.37	999.03	0.96	42.72
PROF (metros)	3.602	0.478	4.752	3.561	0.633	2.898	4.436

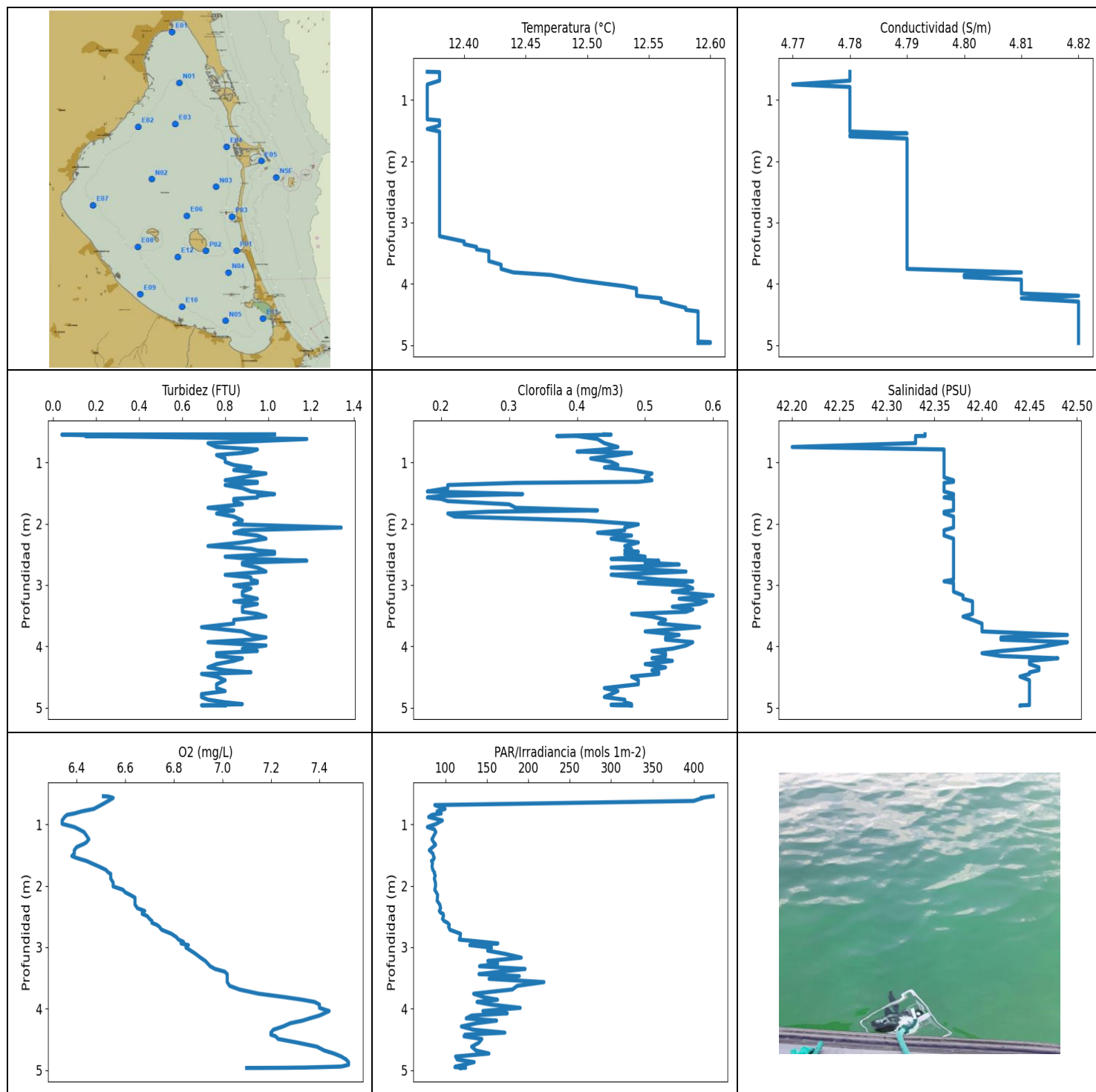
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E07 - Punto 006	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.2	4.79	0.16	7.25	804.08	0.49	42.67
1 - 2m	12.21	4.8	0.48	7.17	108.35	0.21	42.67
2 - 3m	12.21	4.8	0.6	7.26	85.28	0.61	42.68
3 - 4m	12.23	4.8	0.77	7.3	71.58	0.85	42.7
4 - 5m	12.24	4.8	1.12	7.29	61.09	0.78	42.71

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.468	12.2	4.79	0.19	7.29	979.32	0.91	42.66
0.478	12.2	4.8	0.11	7.28	937.34	0.8	42.67
0.501	12.2	4.8	0.19	7.28	975.92	0.85	42.67
0.504	12.2	4.8	0.19	7.28	951.79	0.93	42.67
0.505	12.2	4.8	0.19	7.3	964.23	0.82	42.67
0.512	12.2	4.8	0.15	7.3	952.23	0.79	42.67
0.517	12.2	4.8	0.19	7.31	921.83	0.73	42.67
0.52	12.2	4.8	0.08	7.32	979.54	0.34	42.67
0.526	12.2	4.8	0.04	7.33	986.61	0.26	42.67
0.531	12.2	4.79	0.0	7.32	956.44	0.2	42.66
0.542	12.2	4.79	0.15	7.32	975.46	0.2	42.66
0.569	12.2	4.79	0.27	7.31	949.59	0.18	42.66
0.602	12.2	4.79	0.11	7.29	968.48	0.18	42.66
0.633	12.2	4.79	0.04	7.27	999.03	0.21	42.66
0.694	12.19	4.79	0.5	7.23	100.36	0.19	42.66
0.748	12.19	4.79	0.0	7.16	140.61	0.19	42.66
0.793	12.19	4.79	0.0	7.12	99.75	0.13	42.66
0.832	12.19	4.79	0.11	6.98	133.86	0.18	42.67
0.874	12.19	4.79	0.08	6.87	89.75	0.21	42.67
0.909	12.19	4.79	0.0	6.84	128.51	0.18	42.67
1.006	12.19	4.79	0.0	6.83	103.69	0.19	42.67
1.071	12.19	4.79	0.3	6.86	154.48	0.22	42.67
1.113	12.19	4.79	0.15	6.91	96.23	0.19	42.67
1.137	12.19	4.79	0.04	6.96	106.39	0.23	42.67
1.164	12.19	4.79	0.61	7.02	143.54	0.21	42.67
1.196	12.2	4.79	0.0	7.06	118.86	0.2	42.67
1.222	12.2	4.8	0.42	7.1	89.81	0.21	42.67
1.253	12.2	4.8	0.19	7.13	103.71	0.22	42.67
1.305	12.2	4.8	0.69	7.14	125.02	0.23	42.67
1.358	12.21	4.8	0.46	7.17	118.69	0.25	42.67
1.394	12.21	4.8	0.5	7.18	108.13	0.21	42.67
1.417	12.21	4.8	0.69	7.19	114.29	0.21	42.67
1.45	12.21	4.8	0.57	7.2	121.31	0.23	42.67
1.498	12.21	4.8	0.53	7.25	111.08	0.22	42.67
1.543	12.21	4.8	0.38	7.24	102.59	0.2	42.67
1.575	12.21	4.8	0.46	7.25	114.03	0.2	42.67
1.601	12.21	4.8	0.42	7.25	112.64	0.21	42.67

1.633	12.21	4.8	0.46	7.25	95.54	0.21	42.67
1.669	12.21	4.8	0.46	7.24	104.85	0.19	42.67
1.701	12.21	4.8	0.53	7.24	104.8	0.2	42.67
1.734	12.21	4.8	0.46	7.23	101.5	0.19	42.67
1.773	12.21	4.8	0.46	7.22	101.62	0.19	42.67
1.816	12.21	4.8	0.72	7.22	93.64	0.19	42.67
1.847	12.21	4.8	0.46	7.21	98.97	0.22	42.67
1.872	12.21	4.8	0.53	7.2	115.68	0.2	42.67
1.903	12.21	4.8	0.65	7.21	91.51	0.23	42.67
1.943	12.21	4.8	0.61	7.21	82.7	0.19	42.67
1.978	12.21	4.8	0.65	7.21	104.22	0.2	42.67
2.014	12.21	4.8	0.65	7.22	97.38	0.19	42.67
2.05	12.21	4.8	0.65	7.23	93.53	0.21	42.67
2.093	12.21	4.8	0.46	7.24	87.43	0.23	42.67
2.132	12.21	4.8	0.53	7.25	91.96	0.23	42.67
2.169	12.21	4.8	0.53	7.25	92.02	0.2	42.67
2.213	12.21	4.8	0.46	7.26	88.41	0.22	42.67
2.255	12.21	4.8	0.53	7.25	84.46	0.21	42.67
2.289	12.21	4.8	0.5	7.25	87.53	0.21	42.67
2.308	12.21	4.8	0.38	7.25	99.94	0.2	42.67
2.334	12.21	4.8	0.65	7.25	82.81	0.22	42.68
2.378	12.21	4.8	0.61	7.25	82.01	0.38	42.68
2.429	12.21	4.8	0.53	7.26	85.07	0.87	42.68
2.471	12.22	4.8	0.57	7.26	88.3	0.82	42.68
2.503	12.22	4.8	0.61	7.28	85.19	0.86	42.68
2.54	12.22	4.8	0.65	7.31	83.82	0.74	42.68
2.586	12.22	4.8	0.69	7.32	83.24	0.8	42.68
2.624	12.22	4.8	0.65	7.33	86.82	0.85	42.68
2.649	12.22	4.8	0.61	7.34	83.8	0.85	42.68
2.674	12.22	4.8	0.53	7.34	83.16	0.9	42.68
2.709	12.22	4.8	0.72	7.33	83.58	0.87	42.68
2.742	12.22	4.8	0.57	7.3	82.6	0.9	42.68
2.768	12.21	4.8	0.72	7.27	78.15	0.87	42.68
2.794	12.21	4.8	0.61	7.23	78.51	0.87	42.68
2.83	12.21	4.8	0.69	7.21	81.54	0.86	42.68
2.867	12.21	4.8	0.76	7.19	78.13	0.89	42.68
2.898	12.22	4.8	0.57	7.17	75.67	0.96	42.68
2.935	12.22	4.8	0.65	7.16	80.54	0.94	42.68
2.972	12.22	4.8	0.57	7.16	82.16	0.86	42.68
3.01	12.22	4.8	0.72	7.17	74.23	0.88	42.69
3.055	12.22	4.8	0.61	7.17	73.17	0.77	42.68
3.099	12.22	4.8	0.69	7.18	75.27	0.83	42.68
3.136	12.22	4.8	0.76	7.19	78.53	0.83	42.69
3.171	12.22	4.8	0.65	7.22	74.16	0.83	42.69
3.21	12.22	4.8	0.72	7.24	73.58	0.85	42.69
3.253	12.22	4.8	0.65	7.27	75.46	0.76	42.68
3.283	12.22	4.8	0.61	7.29	76.4	0.92	42.68
3.304	12.22	4.8	0.8	7.31	75.24	0.82	42.68
3.334	12.22	4.8	0.72	7.32	72.68	0.9	42.69
3.377	12.22	4.8	0.76	7.33	75.67	0.85	42.7
3.414	12.23	4.8	0.65	7.33	75.73	0.92	42.71
3.439	12.23	4.8	0.65	7.33	71.41	0.82	42.7
3.463	12.23	4.8	0.76	7.34	71.23	0.92	42.7
3.491	12.23	4.8	0.84	7.34	71.58	0.95	42.7
3.524	12.23	4.8	0.76	7.36	71.13	0.93	42.7
3.561	12.23	4.8	0.84	7.37	71.55	0.89	42.7
3.602	12.24	4.8	0.84	7.37	70.95	0.87	42.7
3.636	12.24	4.8	0.84	7.37	70.12	0.85	42.7

3.664	12.24	4.8	0.8	7.36	69.15	0.84	42.7
3.701	12.24	4.8	0.92	7.36	68.81	0.87	42.7
3.741	12.24	4.8	0.84	7.35	68.21	0.81	42.7
3.773	12.24	4.8	0.8	7.33	67.33	0.84	42.7
3.798	12.24	4.8	0.72	7.32	68.24	0.86	42.7
3.82	12.24	4.8	0.69	7.32	70.28	0.82	42.7
3.851	12.24	4.8	0.95	7.31	68.53	0.76	42.7
3.886	12.24	4.8	0.95	7.31	67.93	0.86	42.7
3.912	12.24	4.8	0.95	7.31	66.88	0.78	42.71
3.937	12.24	4.8	0.84	7.31	67.13	0.77	42.71
3.979	12.24	4.8	0.84	7.31	66.83	0.79	42.71
4.027	12.24	4.8	0.95	7.31	66.76	0.79	42.71
4.063	12.24	4.8	0.8	7.3	65.27	0.8	42.71
4.091	12.24	4.8	0.92	7.29	66.0	0.83	42.71
4.127	12.24	4.8	1.03	7.3	67.24	0.79	42.71
4.163	12.24	4.8	0.95	7.3	65.65	0.83	42.71
4.187	12.24	4.8	1.03	7.3	63.82	0.8	42.71
4.207	12.24	4.8	0.92	7.29	64.06	0.82	42.71
4.24	12.24	4.8	0.84	7.3	64.98	0.84	42.71
4.282	12.24	4.8	0.95	7.3	64.28	0.75	42.71
4.318	12.24	4.8	0.76	7.31	62.47	0.84	42.71
4.346	12.24	4.8	1.22	7.31	61.74	0.75	42.71
4.377	12.24	4.8	1.18	7.3	61.83	0.75	42.71
4.407	12.24	4.8	1.03	7.3	62.24	0.73	42.71
4.436	12.24	4.8	1.07	7.3	62.16	0.72	42.72
4.467	12.24	4.8	1.26	7.3	61.75	0.79	42.71
4.503	12.24	4.8	1.22	7.3	61.47	0.82	42.71
4.545	12.24	4.8	1.11	7.3	60.41	0.87	42.71
4.587	12.24	4.8	1.22	7.29	59.07	0.75	42.71
4.621	12.24	4.8	1.22	7.29	59.11	0.75	42.71
4.652	12.24	4.8	1.22	7.28	59.64	0.74	42.71
4.684	12.24	4.8	1.22	7.28	59.37	0.74	42.72
4.72	12.24	4.8	1.22	7.28	58.25	0.76	42.71
4.752	12.24	4.8	1.41	7.28	57.63	0.78	42.72
4.767	12.24	4.8	1.34	7.28	56.67	0.76	42.72
4.775	12.24	4.8	1.26	7.28	56.89	0.75	42.71
4.781	12.24	4.8	1.22	7.28	55.48	0.73	42.71
4.785	12.24	4.8	1.26	7.27	55.44	0.79	42.71
4.788	12.24	4.8	1.22	7.27	56.04	0.74	42.71
4.789	12.24	4.8	1.3	7.26	55.84	0.71	42.71



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.37	4.77	0.04	6.34	78.06	0.18	42.2
PROF (metros)	0.543	0.75	0.548	0.937	1.044	1.475	0.75
MÁXIMO	12.6	12.6	1.34	7.52	423.29	0.6	42.49
PROF (metros)	4.951	4.195	2.064	4.87	0.543	3.17	3.814

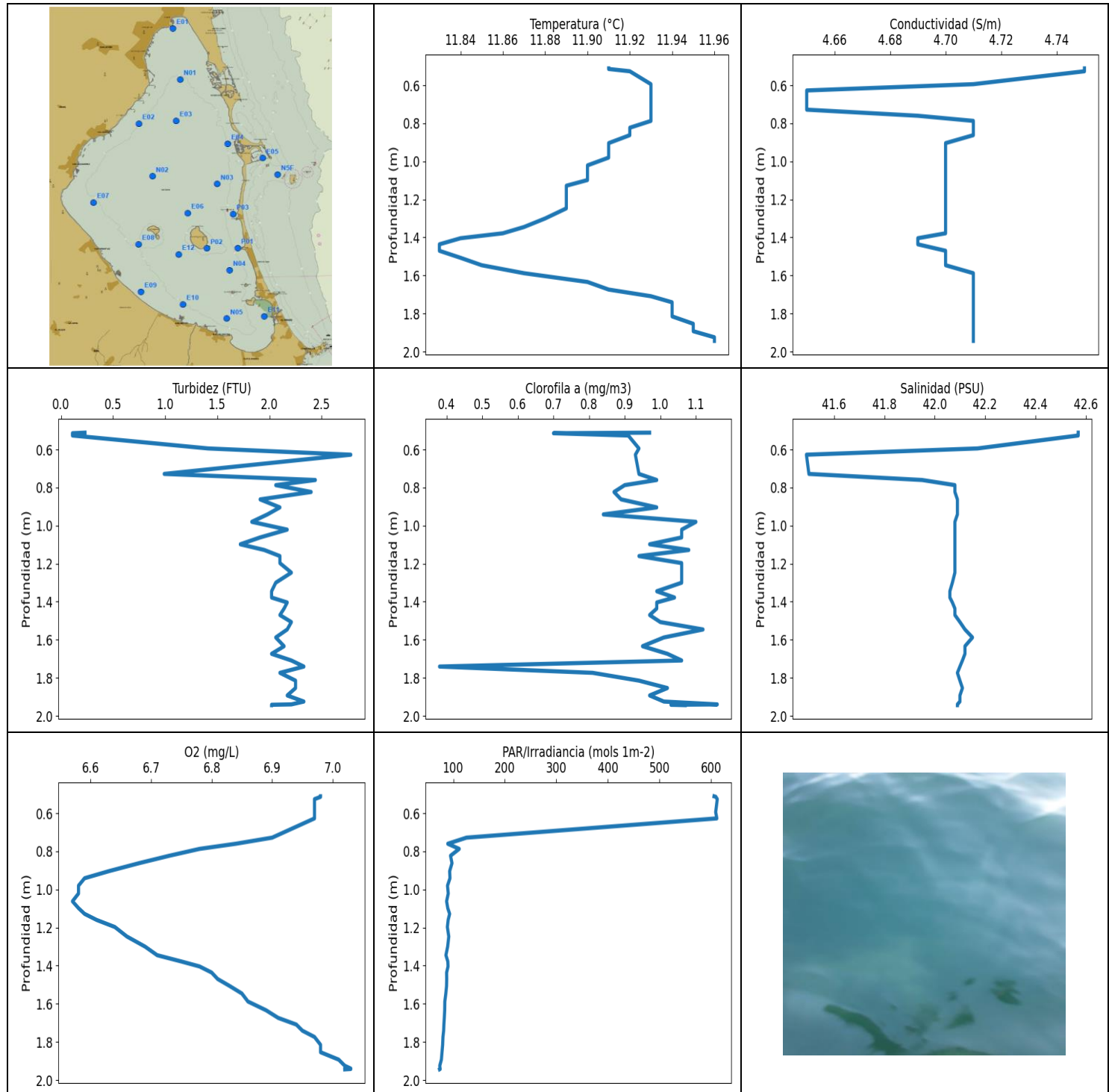
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E08 - Punto 007	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.38	4.78	0.72	6.45	213.99	0.43	42.34
1 - 2m	12.38	4.78	0.87	6.45	85.25	0.33	42.36
2 - 3m	12.38	4.79	0.94	6.71	104.24	0.49	42.37
3 - 4m	12.42	4.79	0.89	7.07	165.79	0.55	42.4
4 - 5m	12.58	4.82	0.79	7.34	132.26	0.49	42.45

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)
0.543	12.37	4.78	1.03	6.51	423.29	0.44	42.34
0.548	12.38	4.78	0.04	6.53	420.65	0.45	42.34
0.57	12.38	4.78	0.3	6.55	408.54	0.37	42.34
0.571	12.38	4.78	0.15	6.55	410.63	0.4	42.33
0.62	12.38	4.78	1.18	6.53	399.65	0.43	42.33
0.687	12.38	4.78	0.72	6.5	87.0	0.44	42.33
0.75	12.37	4.77	0.76	6.47	99.38	0.46	42.2
0.79	12.37	4.78	0.95	6.42	89.71	0.44	42.36
0.824	12.37	4.78	0.92	6.39	94.75	0.4	42.36
0.846	12.37	4.78	0.88	6.36	83.58	0.48	42.36
0.881	12.37	4.78	0.76	6.35	79.63	0.46	42.36
0.937	12.37	4.78	0.8	6.34	96.14	0.42	42.36
0.993	12.37	4.78	0.8	6.34	88.86	0.45	42.36
1.044	12.37	4.78	0.84	6.39	78.06	0.46	42.36
1.083	12.37	4.78	0.92	6.41	86.56	0.44	42.36
1.126	12.37	4.78	0.84	6.43	88.24	0.48	42.36
1.182	12.37	4.78	0.99	6.44	85.94	0.51	42.36
1.244	12.37	4.78	0.88	6.45	83.53	0.5	42.36
1.293	12.37	4.78	0.8	6.44	85.66	0.51	42.37
1.318	12.37	4.78	0.95	6.43	87.49	0.49	42.37
1.335	12.38	4.78	0.95	6.42	87.94	0.31	42.36
1.37	12.38	4.78	0.8	6.4	84.7	0.21	42.36
1.421	12.38	4.78	0.88	6.39	80.36	0.21	42.36
1.475	12.37	4.78	0.92	6.39	84.64	0.18	42.36
1.517	12.38	4.78	1.03	6.38	85.45	0.32	42.37
1.548	12.38	4.79	0.95	6.4	86.38	0.2	42.37
1.573	12.38	4.78	0.95	6.42	85.37	0.18	42.36
1.596	12.38	4.78	0.84	6.44	83.01	0.2	42.37
1.632	12.38	4.79	0.84	6.46	84.23	0.21	42.37
1.684	12.38	4.79	0.88	6.49	83.64	0.3	42.37
1.741	12.38	4.79	0.72	6.52	84.58	0.31	42.37
1.783	12.38	4.79	0.84	6.53	86.62	0.43	42.37
1.805	12.38	4.79	0.8	6.54	86.56	0.27	42.36
1.834	12.38	4.79	0.76	6.54	87.57	0.21	42.36
1.884	12.38	4.79	0.84	6.54	86.44	0.22	42.37
1.948	12.38	4.79	0.88	6.55	87.77	0.41	42.37
2.011	12.38	4.79	0.84	6.55	87.92	0.49	42.37

2.064	12.38	4.79	1.34	6.59	86.9	0.47	42.37
2.107	12.38	4.79	0.88	6.6	88.8	0.47	42.36
2.148	12.38	4.79	0.84	6.62	90.4	0.43	42.36
2.193	12.38	4.79	0.95	6.64	90.17	0.48	42.36
2.245	12.38	4.79	0.99	6.64	89.83	0.45	42.37
2.306	12.38	4.79	0.88	6.64	93.05	0.49	42.37
2.365	12.38	4.79	0.72	6.65	94.01	0.47	42.37
2.41	12.38	4.79	0.92	6.68	92.49	0.48	42.37
2.437	12.38	4.79	0.95	6.67	93.9	0.47	42.37
2.458	12.38	4.79	1.03	6.67	97.15	0.49	42.37
2.492	12.38	4.79	1.03	6.69	97.54	0.47	42.37
2.538	12.38	4.79	0.8	6.7	96.26	0.5	42.37
2.574	12.38	4.79	0.92	6.71	98.4	0.45	42.37
2.604	12.38	4.79	1.18	6.71	102.52	0.52	42.37
2.636	12.38	4.79	0.88	6.73	104.54	0.5	42.37
2.666	12.38	4.79	0.88	6.74	103.57	0.55	42.37
2.716	12.38	4.79	0.95	6.75	105.29	0.45	42.37
2.781	12.38	4.79	0.99	6.79	118.09	0.56	42.37
2.834	12.38	4.79	0.8	6.81	117.54	0.45	42.37
2.877	12.38	4.79	0.92	6.82	116.62	0.49	42.37
2.913	12.38	4.79	0.92	6.84	144.34	0.52	42.37
2.939	12.38	4.79	0.95	6.83	163.13	0.57	42.36
2.966	12.38	4.79	0.95	6.86	129.23	0.49	42.37
3.007	12.38	4.79	0.84	6.85	155.49	0.56	42.37
3.056	12.38	4.79	0.92	6.87	150.87	0.57	42.37
3.109	12.38	4.79	0.88	6.89	171.98	0.54	42.37
3.17	12.38	4.79	0.88	6.91	191.46	0.6	42.38
3.224	12.38	4.79	0.95	6.93	151.08	0.55	42.38
3.267	12.39	4.79	0.84	6.94	162.9	0.59	42.39
3.31	12.4	4.79	0.95	6.95	141.03	0.58	42.39
3.354	12.4	4.79	0.88	6.97	196.04	0.54	42.39
3.398	12.41	4.79	0.88	7.01	167.15	0.57	42.39
3.437	12.41	4.79	0.88	7.02	140.38	0.56	42.39
3.471	12.42	4.79	0.95	7.02	189.08	0.48	42.39
3.515	12.42	4.79	0.99	7.02	152.56	0.51	42.38
3.568	12.42	4.79	0.84	7.02	218.81	0.53	42.39
3.629	12.42	4.79	0.84	7.03	186.6	0.52	42.4
3.688	12.43	4.79	0.69	7.07	180.68	0.58	42.4
3.757	12.43	4.79	0.88	7.15	133.93	0.5	42.4
3.814	12.44	4.81	0.92	7.26	146.53	0.55	42.49
3.855	12.47	4.8	0.99	7.33	162.79	0.53	42.42
3.891	12.48	4.8	0.92	7.38	137.99	0.53	42.42
3.932	12.49	4.81	0.72	7.4	154.02	0.57	42.49
3.987	12.51	4.81	0.99	7.4	190.18	0.56	42.47
4.038	12.53	4.81	0.88	7.44	145.14	0.54	42.45
4.076	12.54	4.81	0.95	7.42	174.51	0.51	42.42
4.112	12.54	4.81	0.76	7.4	131.5	0.53	42.4
4.158	12.54	4.81	0.76	7.36	124.96	0.53	42.42
4.195	12.54	4.82	0.88	7.33	161.62	0.51	42.48
4.237	12.56	4.81	0.84	7.28	137.48	0.54	42.45
4.29	12.56	4.82	0.76	7.25	119.11	0.5	42.45
4.343	12.57	4.82	0.72	7.21	133.86	0.53	42.46
4.39	12.58	4.82	0.8	7.2	171.58	0.51	42.46
4.424	12.58	4.82	0.92	7.2	123.29	0.52	42.45
4.45	12.59	4.82	0.69	7.22	122.3	0.52	42.45
4.493	12.59	4.82	0.76	7.23	143.84	0.48	42.44
4.553	12.59	4.82	0.8	7.31	140.31	0.49	42.45
4.619	12.59	4.82	0.76	7.39	131.47	0.49	42.45

4.681	12.59	4.82	0.76	7.42	136.78	0.44	42.45
4.73	12.59	4.82	0.8	7.46	152.38	0.46	42.45
4.779	12.59	4.82	0.69	7.49	112.14	0.45	42.45
4.827	12.59	4.82	0.69	7.51	114.21	0.44	42.45
4.87	12.59	4.82	0.72	7.52	134.55	0.47	42.45
4.913	12.59	4.82	0.8	7.52	122.24	0.47	42.45
4.942	12.59	4.82	0.88	7.49	112.19	0.48	42.45
4.951	12.6	4.82	0.8	7.41	111.29	0.45	42.45
4.958	12.6	4.82	0.76	7.34	122.89	0.45	42.45
4.962	12.6	4.82	0.69	7.25	124.27	0.46	42.44
4.964	12.6	4.82	0.76	7.17	116.86	0.48	42.44
4.965	12.59	4.82	0.8	7.1	118.03	0.48	42.44



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

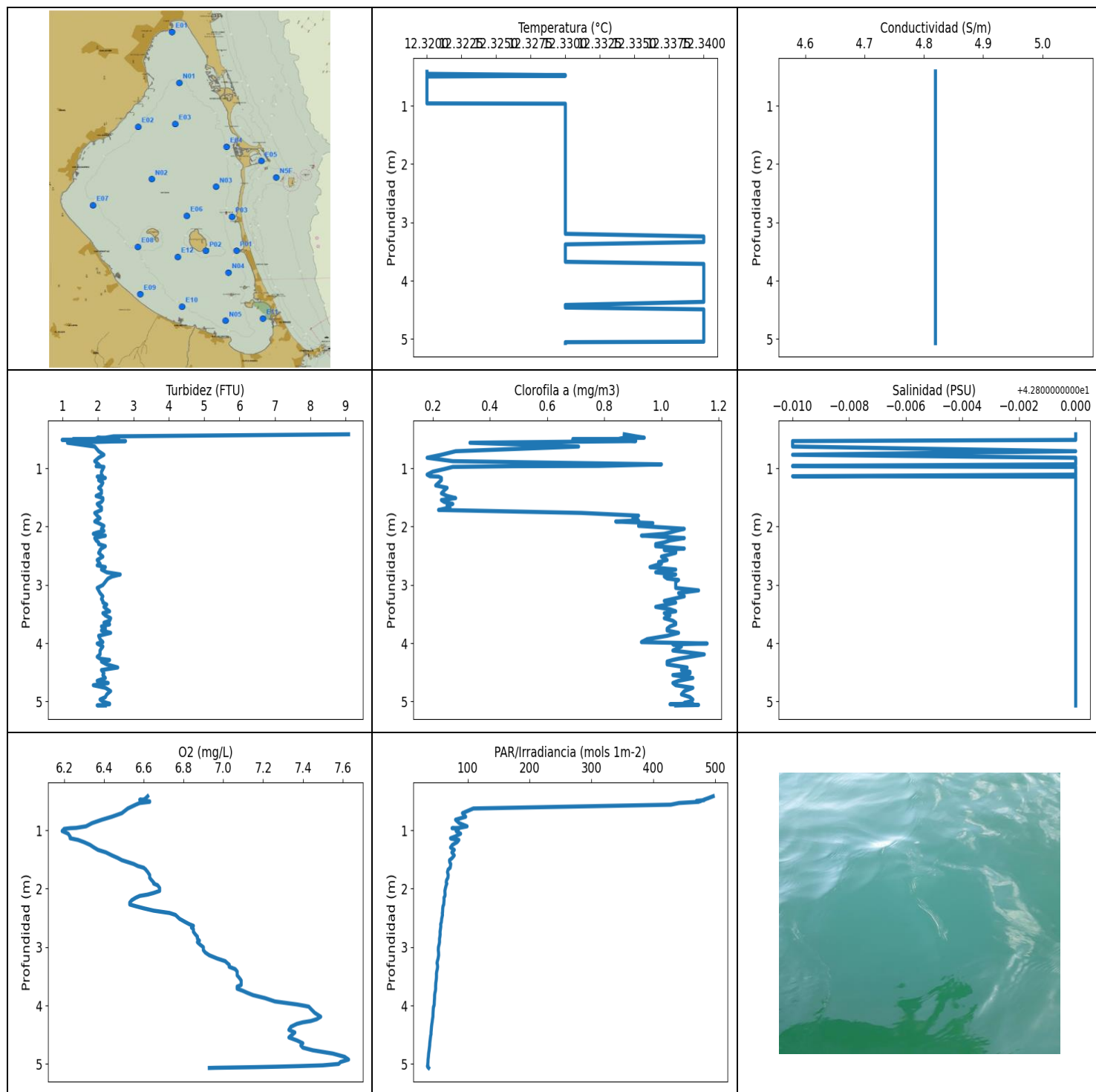
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	11.83	4.65	0.11	6.57	73.29	0.38	41.49
PROF (metros)	1.436	0.627	0.514	1.062	1.944	1.741	0.627
MÁXIMO	11.96	11.96	2.79	7.03	612.19	1.16	42.57
PROF (metros)	1.925	0.511	0.627	1.94	0.526	1.94	0.511

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	11.92	4.71	1.57	6.82	295.5	0.92	42.1
1 - 2m	11.9	4.7	2.11	6.82	84.02	0.99	42.09

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.511	11.91	4.75	0.23	6.98	605.84	0.97	42.57
0.514	11.91	4.75	0.11	6.98	609.36	0.7	42.57
0.526	11.92	4.75	0.11	6.97	612.19	0.91	42.57
0.594	11.93	4.71	1.41	6.97	609.08	0.94	42.17
0.627	11.93	4.65	2.78	6.97	611.34	0.93	41.49
0.728	11.93	4.65	0.99	6.9	125.6	0.94	41.5
0.76	11.93	4.69	2.44	6.84	89.29	0.99	41.95
0.787	11.93	4.71	2.06	6.78	111.54	0.9	42.08
0.823	11.92	4.71	2.4	6.73	94.64	0.87	42.08
0.862	11.92	4.71	1.91	6.68	97.47	0.89	42.09
0.904	11.91	4.7	2.1	6.63	92.92	0.99	42.09
0.941	11.91	4.7	1.98	6.59	93.53	0.84	42.09
0.98	11.91	4.7	1.83	6.58	88.76	1.1	42.08
1.021	11.9	4.7	2.17	6.58	90.19	1.06	42.08
1.062	11.9	4.7	1.91	6.57	87.02	1.06	42.08
1.098	11.9	4.7	1.72	6.58	89.25	0.97	42.08
1.128	11.89	4.7	1.95	6.59	92.9	1.08	42.08
1.16	11.89	4.7	2.1	6.61	90.02	0.94	42.08
1.197	11.89	4.7	2.1	6.64	88.49	1.06	42.08
1.247	11.89	4.7	2.21	6.66	91.24	1.06	42.08
1.3	11.88	4.7	2.06	6.69	89.04	1.06	42.07
1.345	11.87	4.7	2.02	6.71	85.7	0.99	42.06
1.378	11.86	4.7	2.02	6.75	89.38	1.04	42.06
1.404	11.84	4.69	2.17	6.78	89.79	0.99	42.07
1.436	11.83	4.69	2.14	6.8	87.04	0.99	42.08
1.47	11.83	4.7	2.1	6.81	87.21	0.97	42.08
1.507	11.84	4.7	2.21	6.83	86.92	1.0	42.1
1.546	11.85	4.7	2.17	6.85	85.52	1.12	42.12
1.588	11.87	4.71	2.06	6.86	83.56	1.01	42.15
1.634	11.9	4.71	2.14	6.89	83.3	0.95	42.12
1.674	11.91	4.71	2.02	6.91	82.56	1.02	42.12
1.709	11.93	4.71	2.21	6.94	81.76	1.06	42.11
1.741	11.94	4.71	2.33	6.95	81.29	0.38	42.1
1.774	11.94	4.71	2.1	6.97	79.95	0.81	42.09
1.815	11.94	4.71	2.25	6.98	79.34	0.94	42.1
1.854	11.95	4.71	2.25	6.98	78.1	1.02	42.11
1.893	11.95	4.71	2.17	7.01	76.89	0.97	42.1
1.925	11.96	4.71	2.33	7.02	73.75	1.01	42.1
1.94	11.96	4.71	2.21	7.03	74.37	1.16	42.09
1.942	11.96	4.71	2.02	7.03	74.59	1.03	42.09

1.944	11.96	4.71	2.02	7.02	73.29	1.07	42.09
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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	12.32	4.82	0.99	6.19	34.7	0.18	42.79
PROF (metros)	0.419	0.419	0.515	1.015	5.037	0.821	0.535
MÁXIMO	12.34	12.34	9.08	7.63	497.04	1.16	42.8
PROF (metros)	3.242	0.419	0.419	4.925	0.419	4.006	0.419

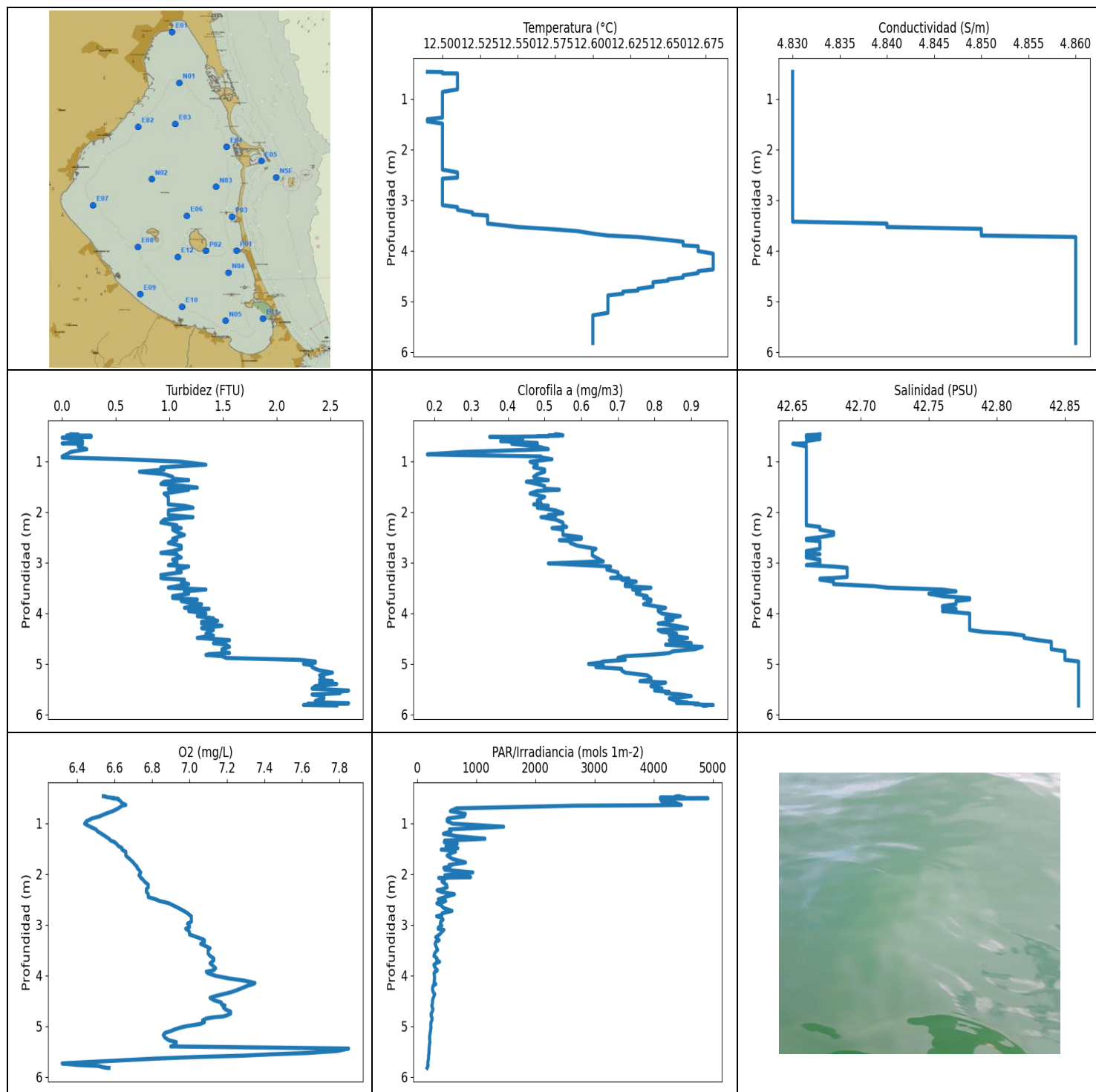
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E10 - Punto 009	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.32	4.82	2.34	6.49	300.3	0.66	42.8
1 - 2m	12.33	4.82	2.06	6.47	72.98	0.4	42.8
2 - 3m	12.33	4.82	2.12	6.73	58.36	1.02	42.8
3 - 4m	12.33	4.82	2.17	7.07	49.38	1.03	42.8
4 - 5m	12.34	4.82	2.15	7.43	40.43	1.08	42.8
5 - 6m	12.33	4.82	2.19	7.21	35.74	1.09	42.8

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)
0.419	12.32	4.82	9.08	6.62	497.04	0.87	42.8
0.454	12.32	4.82	2.44	6.61	488.59	0.91	42.8
0.477	12.33	4.82	2.21	6.6	482.63	0.94	42.8
0.479	12.32	4.82	1.98	6.58	481.84	0.93	42.8
0.487	12.33	4.82	2.1	6.59	482.18	0.86	42.8
0.499	12.32	4.82	1.87	6.61	470.04	0.85	42.8
0.5	12.32	4.82	1.3	6.61	477.18	0.69	42.8
0.506	12.32	4.82	2.59	6.63	473.65	0.82	42.8
0.515	12.32	4.82	0.99	6.63	473.76	0.83	42.8
0.535	12.32	4.82	2.78	6.58	441.84	0.91	42.79
0.564	12.32	4.82	1.14	6.56	428.42	0.33	42.79
0.629	12.32	4.82	1.91	6.52	109.04	0.71	42.79
0.709	12.32	4.82	2.02	6.49	91.43	0.28	42.8
0.77	12.32	4.82	2.17	6.44	96.64	0.23	42.79
0.821	12.32	4.82	2.02	6.39	80.26	0.18	42.8
0.88	12.32	4.82	1.91	6.34	86.24	0.27	42.8
0.934	12.32	4.82	2.02	6.31	98.88	1.0	42.8
0.961	12.32	4.82	2.06	6.26	86.46	0.78	42.79
0.966	12.33	4.82	1.95	6.23	74.58	0.48	42.79
0.978	12.33	4.82	2.17	6.2	85.23	0.27	42.8
1.015	12.33	4.82	2.14	6.19	81.24	0.24	42.8
1.06	12.33	4.82	2.1	6.22	88.45	0.2	42.8
1.11	12.33	4.82	2.1	6.23	79.25	0.18	42.8
1.138	12.33	4.82	2.14	6.23	72.16	0.19	42.79
1.145	12.33	4.82	1.98	6.24	73.14	0.22	42.8
1.167	12.33	4.82	2.21	6.27	85.6	0.23	42.8
1.205	12.33	4.82	2.02	6.3	82.74	0.23	42.8
1.251	12.33	4.82	2.14	6.33	75.22	0.22	42.8
1.296	12.33	4.82	2.1	6.35	72.14	0.21	42.8
1.337	12.33	4.82	2.02	6.37	78.24	0.25	42.8
1.38	12.33	4.82	2.1	6.41	74.25	0.24	42.8
1.431	12.33	4.82	2.1	6.44	78.17	0.23	42.8
1.476	12.33	4.82	1.95	6.47	74.82	0.25	42.8
1.513	12.33	4.82	2.14	6.49	70.49	0.28	42.8
1.546	12.33	4.82	2.14	6.52	70.77	0.23	42.8
1.579	12.33	4.82	2.1	6.55	72.5	0.24	42.8

1.613	12.33	4.82	1.98	6.57	72.03	0.27	42.8
1.643	12.33	4.82	2.02	6.6	71.48	0.25	42.8
1.673	12.33	4.82	2.1	6.61	68.3	0.26	42.8
1.716	12.33	4.82	2.1	6.62	67.19	0.22	42.8
1.767	12.33	4.82	1.91	6.63	68.37	0.72	42.8
1.814	12.33	4.82	1.98	6.63	67.9	0.92	42.8
1.857	12.33	4.82	2.06	6.64	65.71	0.9	42.8
1.895	12.33	4.82	1.95	6.65	65.17	0.92	42.8
1.914	12.33	4.82	1.91	6.65	66.2	0.84	42.8
1.942	12.33	4.82	2.02	6.67	65.12	0.97	42.8
1.989	12.33	4.82	2.17	6.68	63.94	0.92	42.8
2.039	12.33	4.82	2.1	6.68	62.94	1.08	42.8
2.074	12.33	4.82	2.17	6.65	63.16	1.05	42.8
2.102	12.33	4.82	1.98	6.62	63.28	1.03	42.8
2.125	12.33	4.82	1.87	6.58	63.06	1.01	42.8
2.156	12.33	4.82	2.21	6.56	61.55	0.93	42.8
2.198	12.33	4.82	1.91	6.54	61.68	1.08	42.8
2.239	12.33	4.82	1.95	6.53	61.38	1.03	42.8
2.272	12.33	4.82	2.02	6.53	61.11	1.01	42.8
2.301	12.33	4.82	2.02	6.56	59.96	0.98	42.8
2.337	12.33	4.82	2.21	6.6	59.52	0.98	42.8
2.377	12.33	4.82	2.1	6.65	59.29	1.08	42.8
2.402	12.33	4.82	2.06	6.7	59.22	1.01	42.8
2.417	12.33	4.82	2.06	6.73	58.86	1.05	42.8
2.451	12.33	4.82	2.02	6.76	59.09	1.05	42.8
2.516	12.33	4.82	2.14	6.78	57.81	1.0	42.8
2.574	12.33	4.82	1.98	6.81	57.27	1.02	42.8
2.61	12.33	4.82	2.02	6.83	56.14	0.99	42.8
2.637	12.33	4.82	2.06	6.85	56.39	1.0	42.8
2.665	12.33	4.82	1.98	6.84	56.2	0.98	42.8
2.696	12.33	4.82	2.21	6.85	55.79	0.96	42.8
2.738	12.33	4.82	2.1	6.85	55.2	1.05	42.8
2.785	12.33	4.82	2.25	6.86	55.32	0.98	42.8
2.822	12.33	4.82	2.63	6.87	54.93	1.05	42.8
2.857	12.33	4.82	2.4	6.87	54.31	1.01	42.8
2.891	12.33	4.82	2.29	6.88	54.24	1.02	42.8
2.916	12.33	4.82	2.25	6.87	54.28	1.06	42.8
2.949	12.33	4.82	2.21	6.88	53.76	1.05	42.8
3.003	12.33	4.82	2.14	6.9	52.53	1.05	42.8
3.053	12.33	4.82	1.98	6.9	52.34	1.05	42.8
3.095	12.33	4.82	2.02	6.91	52.74	1.13	42.8
3.141	12.33	4.82	2.06	6.93	52.86	1.06	42.8
3.197	12.33	4.82	2.14	6.97	52.01	1.08	42.8
3.242	12.34	4.82	2.1	7.01	50.83	1.04	42.8
3.275	12.34	4.82	2.14	7.02	50.24	1.01	42.8
3.303	12.34	4.82	2.14	7.03	50.95	1.05	42.8
3.338	12.34	4.82	2.25	7.03	51.26	1.02	42.8
3.378	12.33	4.82	2.17	7.06	50.72	0.98	42.8
3.419	12.33	4.82	2.25	7.07	49.79	1.03	42.8
3.454	12.33	4.82	2.33	7.07	49.33	1.05	42.8
3.485	12.33	4.82	2.14	7.07	49.39	1.01	42.8
3.524	12.33	4.82	2.21	7.08	49.32	1.03	42.8
3.572	12.33	4.82	2.36	7.09	48.9	1.01	42.8
3.615	12.33	4.82	2.33	7.09	48.25	1.04	42.8
3.649	12.33	4.82	2.17	7.09	48.1	1.05	42.8
3.677	12.33	4.82	2.33	7.07	47.99	1.05	42.8
3.713	12.34	4.82	2.1	7.07	48.05	1.03	42.8
3.751	12.34	4.82	2.21	7.1	47.64	1.02	42.8

3.782	12.34	4.82	2.1	7.12	46.91	1.02	42.8
3.823	12.34	4.82	2.36	7.15	46.39	1.06	42.8
3.874	12.34	4.82	2.02	7.21	46.3	1.02	42.8
3.931	12.34	4.82	2.06	7.26	45.91	0.95	42.8
3.982	12.34	4.82	2.14	7.37	45.73	0.93	42.8
4.006	12.34	4.82	1.98	7.41	45.37	1.16	42.8
4.02	12.34	4.82	2.02	7.43	44.6	1.04	42.8
4.057	12.34	4.82	2.14	7.44	44.25	1.07	42.8
4.126	12.34	4.82	2.06	7.46	43.83	1.04	42.8
4.192	12.34	4.82	2.06	7.49	43.61	1.15	42.8
4.234	12.34	4.82	1.98	7.47	42.95	1.1	42.8
4.266	12.34	4.82	2.06	7.44	42.63	1.06	42.8
4.288	12.34	4.82	2.33	7.4	42.34	1.04	42.8
4.315	12.34	4.82	2.1	7.37	41.9	1.02	42.8
4.364	12.34	4.82	2.25	7.34	41.36	1.02	42.8
4.417	12.33	4.82	2.56	7.33	40.98	1.09	42.8
4.461	12.33	4.82	2.1	7.36	40.6	1.07	42.8
4.492	12.34	4.82	2.14	7.35	40.58	1.1	42.8
4.516	12.34	4.82	2.17	7.34	39.99	1.1	42.8
4.547	12.34	4.82	2.14	7.33	39.61	1.04	42.8
4.597	12.34	4.82	2.21	7.37	39.07	1.11	42.8
4.646	12.34	4.82	1.98	7.4	38.54	1.06	42.8
4.683	12.34	4.82	2.29	7.39	38.36	1.04	42.8
4.721	12.34	4.82	1.87	7.4	37.96	1.05	42.8
4.766	12.34	4.82	2.21	7.45	37.45	1.11	42.8
4.822	12.34	4.82	2.36	7.55	36.7	1.08	42.8
4.878	12.34	4.82	2.25	7.61	36.3	1.07	42.8
4.925	12.34	4.82	2.21	7.63	35.74	1.1	42.8
4.966	12.34	4.82	2.06	7.59	35.62	1.11	42.8
5.0	12.34	4.82	2.14	7.58	35.31	1.1	42.8
5.024	12.34	4.82	2.25	7.5	35.41	1.08	42.8
5.037	12.34	4.82	2.33	7.38	34.7	1.11	42.8
5.047	12.34	4.82	2.33	7.27	35.55	1.03	42.8
5.055	12.33	4.82	2.14	7.16	35.6	1.11	42.8
5.059	12.33	4.82	2.17	7.08	35.78	1.13	42.8
5.063	12.33	4.82	2.17	7.01	36.15	1.11	42.8
5.066	12.33	4.82	1.98	6.96	36.48	1.07	42.8
5.069	12.33	4.82	2.21	6.93	36.73	1.05	42.8



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	12.49	4.83	0.0	6.32	167.5	0.18	42.65
PROF (metros)	0.466	0.466	0.533	5.732	5.82	0.863	0.653
MÁXIMO	12.68	12.68	2.67	7.85	4920.5	0.96	42.86
PROF (metros)	4.057	3.729	5.526	5.439	0.508	5.813	4.952

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	12.51	4.83	0.16	6.58	3413.55	0.46	42.66
1 - 2m	12.5	4.83	1.04	6.62	639.25	0.49	42.66
2 - 3m	12.5	4.83	1.05	6.86	451.01	0.58	42.67
3 - 4m	12.57	4.84	1.12	7.08	336.27	0.74	42.72
4 - 5m	12.65	4.86	1.51	7.19	262.32	0.82	42.82
5 - 6m	12.6	4.86	2.43	6.89	197.57	0.82	42.86

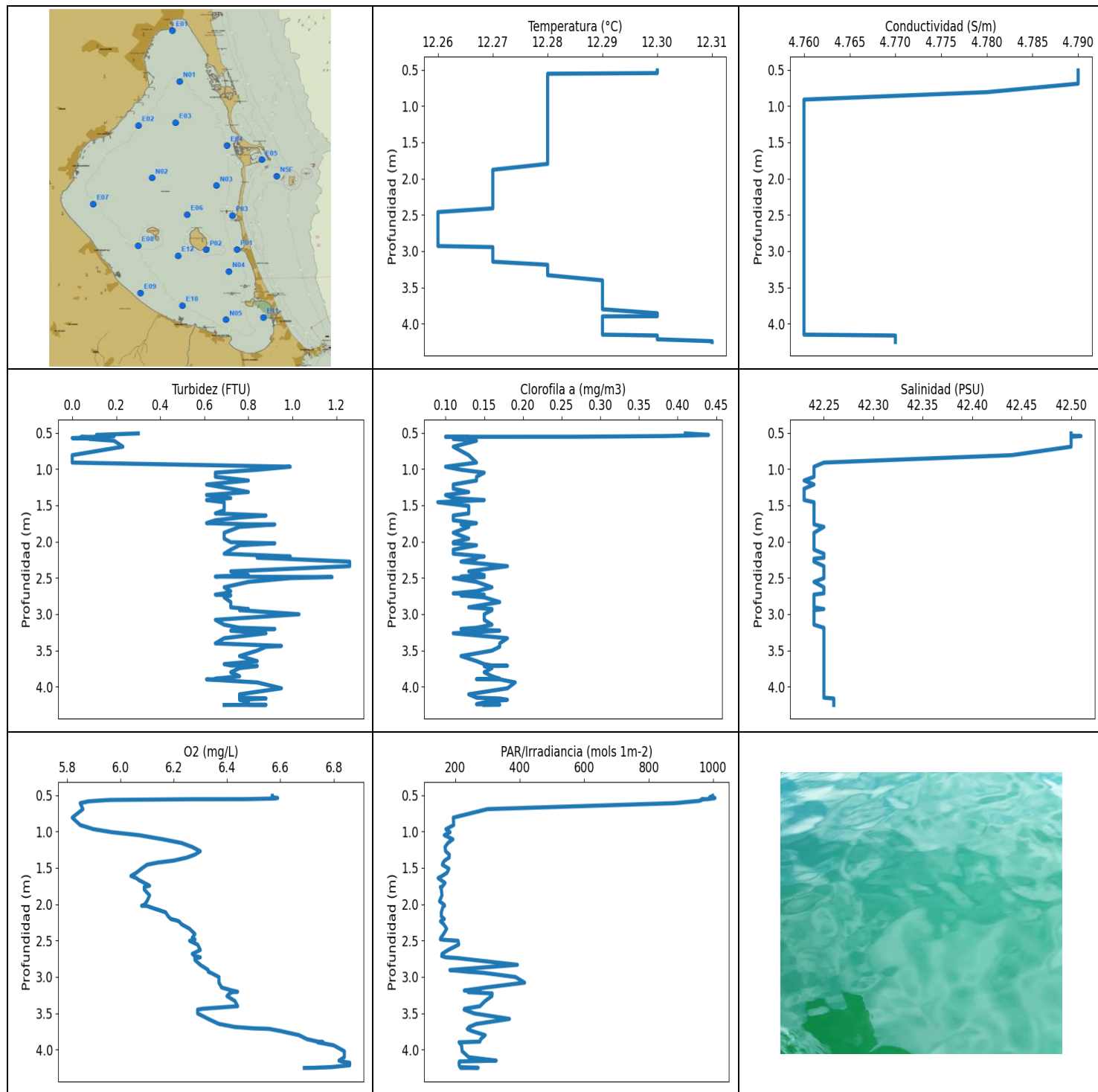
OBSERVACIONES GENERALES

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)
0.466	12.49	4.83	0.08	6.54	4432.1	0.53	42.67
0.47	12.5	4.83	0.15	6.55	4370.9	0.54	42.67
0.485	12.5	4.83	0.11	6.56	4516.1	0.55	42.66
0.492	12.5	4.83	0.04	6.58	4356.8	0.51	42.66
0.493	12.5	4.83	0.27	6.58	4113.4	0.54	42.66
0.497	12.5	4.83	0.27	6.58	4471.4	0.52	42.67
0.499	12.51	4.83	0.08	6.59	4520.3	0.51	42.67
0.501	12.51	4.83	0.08	6.59	4351.7	0.48	42.66
0.504	12.51	4.83	0.15	6.6	4168.1	0.51	42.66
0.508	12.51	4.83	0.19	6.59	4920.5	0.48	42.66
0.516	12.51	4.83	0.11	6.62	4113.4	0.4	42.66
0.517	12.51	4.83	0.27	6.62	4357.8	0.35	42.66
0.533	12.51	4.83	0.0	6.62	4275.7	0.42	42.66
0.558	12.51	4.83	0.11	6.63	4128.7	0.44	42.67
0.6	12.51	4.83	0.19	6.64	4379.1	0.38	42.66
0.638	12.51	4.83	0.04	6.66	4469.3	0.48	42.66
0.645	12.51	4.83	0.0	6.65	3988.5	0.48	42.66
0.653	12.51	4.83	0.19	6.64	2681.6	0.41	42.65
0.705	12.51	4.83	0.15	6.62	662.23	0.48	42.66
0.76	12.51	4.83	0.23	6.59	559.41	0.51	42.66
0.814	12.51	4.83	0.08	6.55	814.7	0.28	42.66
0.863	12.5	4.83	0.04	6.52	791.44	0.18	42.66
0.903	12.5	4.83	0.0	6.48	526.7	0.49	42.66
0.923	12.5	4.83	0.0	6.47	504.59	0.49	42.66
0.957	12.5	4.83	0.57	6.45	505.64	0.52	42.66
1.007	12.5	4.83	1.11	6.44	599.0	0.46	42.66
1.067	12.5	4.83	1.34	6.47	1461.4	0.48	42.66
1.119	12.5	4.83	0.92	6.5	545.2	0.47	42.66
1.161	12.5	4.83	0.95	6.51	568.96	0.5	42.66
1.205	12.5	4.83	0.72	6.53	442.76	0.5	42.66
1.254	12.5	4.83	0.95	6.55	672.28	0.48	42.66
1.304	12.5	4.83	1.03	6.57	1145.4	0.47	42.66
1.341	12.5	4.83	1.03	6.58	464.09	0.48	42.66
1.371	12.5	4.83	1.18	6.6	456.2	0.51	42.66
1.402	12.49	4.83	0.95	6.61	677.6	0.45	42.66
1.447	12.49	4.83	0.92	6.62	485.54	0.48	42.66

1.489	12.5	4.83	1.14	6.64	687.57	0.5	42.66
1.52	12.5	4.83	1.26	6.64	404.87	0.5	42.66
1.541	12.5	4.83	0.99	6.65	627.27	0.5	42.66
1.558	12.5	4.83	1.18	6.66	647.36	0.54	42.66
1.586	12.5	4.83	1.11	6.66	579.47	0.48	42.66
1.636	12.5	4.83	0.95	6.66	505.06	0.46	42.66
1.701	12.5	4.83	0.99	6.68	594.57	0.5	42.66
1.771	12.5	4.83	0.99	6.7	817.73	0.48	42.66
1.821	12.5	4.83	0.99	6.71	539.17	0.49	42.66
1.85	12.5	4.83	0.99	6.72	561.1	0.47	42.66
1.877	12.5	4.83	1.14	6.72	449.9	0.51	42.66
1.916	12.5	4.83	1.22	6.73	468.74	0.48	42.66
1.968	12.5	4.83	0.99	6.74	940.82	0.53	42.66
2.024	12.5	4.83	0.99	6.73	468.3	0.55	42.66
2.06	12.5	4.83	0.99	6.74	903.85	0.51	42.66
2.076	12.5	4.83	1.07	6.74	363.5	0.53	42.66
2.101	12.5	4.83	1.22	6.75	469.71	0.49	42.66
2.15	12.5	4.83	0.95	6.76	419.48	0.53	42.66
2.209	12.5	4.83	0.92	6.78	493.94	0.55	42.66
2.262	12.5	4.83	1.07	6.78	506.11	0.55	42.66
2.295	12.5	4.83	1.03	6.77	431.71	0.56	42.67
2.318	12.5	4.83	1.11	6.77	336.89	0.52	42.67
2.35	12.5	4.83	1.03	6.77	404.87	0.55	42.67
2.398	12.5	4.83	1.07	6.78	629.46	0.55	42.68
2.453	12.51	4.83	1.14	6.78	468.63	0.55	42.68
2.498	12.51	4.83	1.07	6.82	355.83	0.6	42.67
2.531	12.51	4.83	1.03	6.84	481.4	0.6	42.66
2.556	12.51	4.83	1.07	6.87	427.33	0.54	42.66
2.576	12.5	4.83	1.03	6.89	332.32	0.57	42.67
2.613	12.5	4.83	0.99	6.91	402.25	0.57	42.67
2.667	12.5	4.83	1.11	6.94	443.89	0.59	42.67
2.727	12.5	4.83	1.11	6.97	587.45	0.64	42.67
2.772	12.5	4.83	1.03	6.99	421.04	0.63	42.66
2.807	12.5	4.83	0.92	7.0	418.12	0.63	42.66
2.832	12.5	4.83	1.07	7.01	327.73	0.63	42.67
2.857	12.5	4.83	1.07	7.01	409.4	0.63	42.66
2.898	12.5	4.83	1.11	7.01	436.24	0.64	42.66
2.94	12.5	4.83	1.03	7.01	396.32	0.65	42.67
2.977	12.5	4.83	1.07	6.99	390.49	0.66	42.67
3.014	12.5	4.83	1.07	7.0	414.46	0.51	42.67
3.05	12.5	4.83	0.99	7.0	360.81	0.61	42.66
3.077	12.5	4.83	1.18	6.98	352.63	0.68	42.68
3.101	12.5	4.83	1.14	6.99	451.25	0.67	42.69
3.138	12.51	4.83	1.07	7.0	415.71	0.67	42.69
3.191	12.51	4.83	1.11	7.0	378.28	0.7	42.69
3.244	12.52	4.83	0.92	7.04	312.88	0.7	42.69
3.283	12.52	4.83	0.95	7.07	344.47	0.71	42.69
3.304	12.53	4.83	0.92	7.08	370.82	0.68	42.68
3.315	12.53	4.83	0.95	7.08	351.32	0.73	42.67
3.336	12.53	4.83	1.14	7.08	314.12	0.71	42.67
3.376	12.53	4.83	1.11	7.06	302.33	0.75	42.68
3.425	12.53	4.83	1.18	7.09	317.63	0.72	42.68
3.464	12.53	4.84	1.07	7.11	333.16	0.72	42.71
3.496	12.54	4.84	0.99	7.1	345.27	0.79	42.72
3.531	12.55	4.84	1.34	7.1	313.1	0.74	42.76
3.568	12.57	4.85	1.14	7.1	292.88	0.76	42.77
3.613	12.59	4.85	1.18	7.11	282.48	0.75	42.75
3.663	12.6	4.85	1.03	7.13	335.18	0.78	42.76

3.7	12.61	4.85	1.03	7.13	329.86	0.77	42.78
3.729	12.63	4.86	1.26	7.12	378.2	0.79	42.78
3.759	12.64	4.86	1.11	7.11	314.33	0.79	42.77
3.789	12.65	4.86	1.18	7.12	281.44	0.78	42.77
3.822	12.66	4.86	1.3	7.13	291.66	0.77	42.77
3.858	12.66	4.86	1.22	7.14	311.65	0.8	42.76
3.893	12.66	4.86	1.14	7.13	338.69	0.83	42.76
3.912	12.67	4.86	1.37	7.11	332.16	0.82	42.77
3.925	12.67	4.86	1.34	7.09	301.35	0.81	42.77
3.957	12.67	4.86	1.18	7.1	283.79	0.81	42.76
4.006	12.67	4.86	1.34	7.14	290.18	0.82	42.78
4.057	12.68	4.86	1.26	7.21	293.7	0.87	42.78
4.099	12.68	4.86	1.41	7.29	286.57	0.83	42.78
4.13	12.68	4.86	1.41	7.33	290.78	0.85	42.78
4.148	12.68	4.86	1.45	7.35	282.81	0.84	42.78
4.169	12.68	4.86	1.3	7.34	314.19	0.84	42.78
4.203	12.68	4.86	1.3	7.31	267.63	0.81	42.78
4.248	12.68	4.86	1.49	7.28	258.73	0.86	42.78
4.294	12.68	4.86	1.3	7.25	261.07	0.89	42.78
4.331	12.68	4.86	1.41	7.22	272.58	0.81	42.78
4.368	12.68	4.86	1.37	7.18	296.36	0.82	42.79
4.403	12.67	4.86	1.34	7.14	283.99	0.86	42.81
4.44	12.67	4.86	1.41	7.11	271.63	0.84	42.82
4.486	12.66	4.86	1.26	7.13	259.33	0.89	42.82
4.53	12.66	4.86	1.56	7.17	258.49	0.84	42.83
4.564	12.65	4.86	1.45	7.17	253.44	0.85	42.84
4.591	12.65	4.86	1.41	7.19	246.55	0.9	42.84
4.621	12.64	4.86	1.53	7.18	252.27	0.83	42.84
4.664	12.64	4.86	1.56	7.19	266.27	0.93	42.84
4.71	12.64	4.86	1.49	7.22	254.03	0.91	42.84
4.751	12.63	4.86	1.49	7.22	235.27	0.85	42.85
4.785	12.63	4.86	1.56	7.2	234.45	0.84	42.85
4.807	12.62	4.86	1.37	7.18	238.01	0.81	42.85
4.823	12.62	4.86	1.34	7.13	246.32	0.78	42.85
4.847	12.62	4.86	1.49	7.09	252.91	0.72	42.85
4.883	12.61	4.86	1.53	7.07	246.89	0.7	42.85
4.92	12.61	4.86	2.21	7.08	232.61	0.72	42.85
4.952	12.61	4.86	2.36	7.06	231.0	0.66	42.86
4.978	12.61	4.86	2.36	7.02	229.14	0.65	42.86
5.001	12.61	4.86	2.25	6.98	229.99	0.62	42.86
5.028	12.61	4.86	2.33	6.95	233.48	0.66	42.86
5.064	12.61	4.86	2.33	6.92	226.02	0.64	42.86
5.096	12.61	4.86	2.36	6.9	225.87	0.71	42.86
5.129	12.61	4.86	2.4	6.87	218.45	0.71	42.86
5.173	12.61	4.86	2.52	6.86	212.61	0.72	42.86
5.226	12.61	4.86	2.4	6.87	208.12	0.78	42.86
5.276	12.6	4.86	2.44	6.89	211.14	0.79	42.86
5.312	12.6	4.86	2.4	6.93	214.44	0.79	42.86
5.342	12.6	4.86	2.52	6.92	208.46	0.76	42.86
5.369	12.6	4.86	2.4	6.93	205.82	0.83	42.86
5.397	12.6	4.86	2.56	6.9	203.4	0.81	42.86
5.439	12.6	4.86	2.36	7.85	200.97	0.79	42.86
5.487	12.6	4.86	2.33	7.79	199.8	0.82	42.86
5.526	12.6	4.86	2.67	7.63	197.5	0.8	42.86
5.554	12.6	4.86	2.56	7.43	195.63	0.84	42.86
5.58	12.6	4.86	2.59	7.28	190.89	0.83	42.86
5.604	12.6	4.86	2.33	7.05	191.82	0.87	42.86
5.637	12.6	4.86	2.44	6.82	190.62	0.9	42.86

5.682	12.6	4.86	2.44	6.58	183.43	0.84	42.86
5.732	12.6	4.86	2.36	6.32	179.76	0.86	42.86
5.762	12.6	4.86	2.44	6.4	183.0	0.89	42.86
5.773	12.6	4.86	2.56	6.46	181.78	0.86	42.86
5.778	12.6	4.86	2.67	6.5	176.83	0.9	42.86
5.787	12.6	4.86	2.29	6.52	175.77	0.92	42.86
5.8	12.6	4.86	2.33	6.53	176.34	0.91	42.86
5.813	12.6	4.86	2.25	6.55	172.46	0.96	42.86
5.82	12.6	4.86	2.44	6.56	167.5	0.93	42.86
5.822	12.6	4.86	2.56	6.57	167.5	0.94	42.86



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.26	4.76	0.0	5.82	146.9	0.09	42.23
PROF (metros)	2.461	0.911	0.573	0.809	1.64	1.457	1.158
MÁXIMO	12.31	12.31	1.26	6.86	1005.5	0.44	42.51
PROF (metros)	4.24	0.509	2.276	4.179	0.539	0.53	0.546

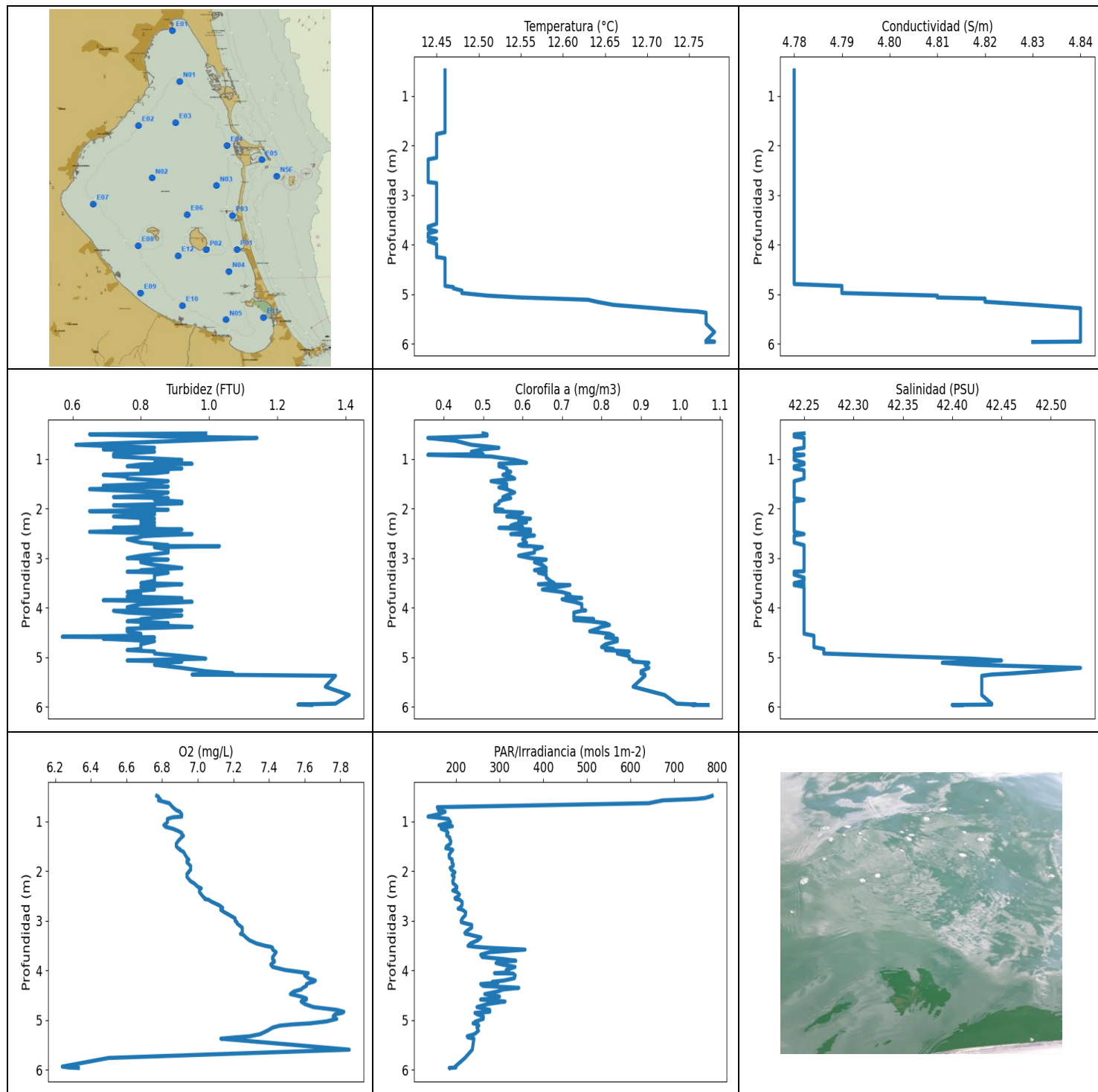
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E11 - Punto 011	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.28	4.79	0.21	6.2	854.66	0.22	42.48
1 - 2m	12.28	4.76	0.72	6.13	166.82	0.12	42.24
2 - 3m	12.27	4.76	0.83	6.24	188.41	0.14	42.25
3 - 4m	12.29	4.76	0.78	6.49	273.61	0.15	42.25
4 - 5m	12.3	4.77	0.81	6.8	238.83	0.16	42.26

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)
0.509	12.3	4.79	0.3	6.57	998.34	0.41	42.5
0.53	12.3	4.79	0.11	6.57	988.9	0.44	42.5
0.539	12.3	4.79	0.15	6.59	1005.5	0.41	42.5
0.546	12.3	4.79	0.19	6.58	997.87	0.38	42.51
0.555	12.28	4.79	0.11	6.47	980.68	0.27	42.5
0.556	12.28	4.79	0.15	6.27	964.23	0.1	42.5
0.558	12.28	4.79	0.04	6.21	969.15	0.13	42.5
0.566	12.28	4.79	0.08	5.96	961.1	0.12	42.5
0.573	12.28	4.79	0.0	5.93	961.1	0.11	42.5
0.58	12.28	4.79	0.08	5.9	954.66	0.11	42.5
0.586	12.28	4.79	0.08	5.88	937.99	0.11	42.5
0.61	12.28	4.79	0.19	5.85	881.3	0.14	42.5
0.692	12.28	4.79	0.23	5.86	299.82	0.11	42.5
0.809	12.28	4.78	0.0	5.82	193.96	0.13	42.44
0.911	12.28	4.76	0.0	5.85	195.18	0.14	42.25
0.968	12.28	4.76	0.99	5.9	171.07	0.1	42.24
1.01	12.28	4.76	0.84	5.97	183.98	0.12	42.24
1.05	12.28	4.76	0.65	6.07	166.07	0.15	42.24
1.107	12.28	4.76	0.65	6.16	192.84	0.14	42.24
1.158	12.28	4.76	0.8	6.23	177.24	0.14	42.23
1.213	12.28	4.76	0.61	6.27	168.31	0.11	42.24
1.271	12.28	4.76	0.72	6.3	170.12	0.11	42.23
1.317	12.28	4.76	0.8	6.28	181.65	0.13	42.23
1.358	12.28	4.76	0.61	6.25	181.14	0.1	42.23
1.4	12.28	4.76	0.72	6.2	166.88	0.11	42.23
1.427	12.28	4.76	0.61	6.14	162.34	0.15	42.23
1.457	12.28	4.76	0.69	6.1	160.06	0.09	42.24
1.51	12.28	4.76	0.69	6.08	180.35	0.13	42.24
1.568	12.28	4.76	0.69	6.06	174.31	0.13	42.24
1.611	12.28	4.76	0.65	6.04	159.21	0.13	42.24
1.64	12.28	4.76	0.88	6.06	146.9	0.11	42.24
1.668	12.28	4.76	0.76	6.07	155.74	0.11	42.24
1.706	12.28	4.76	0.65	6.09	168.23	0.11	42.24
1.745	12.28	4.76	0.61	6.11	162.07	0.14	42.24
1.762	12.28	4.76	0.8	6.09	158.4	0.13	42.24
1.763	12.28	4.76	0.92	6.09	153.84	0.12	42.24
1.797	12.28	4.76	0.76	6.09	157.01	0.13	42.25

1.878	12.27	4.76	0.69	6.11	158.84	0.11	42.24
1.959	12.27	4.76	0.69	6.1	151.26	0.13	42.24
2.008	12.27	4.76	0.72	6.09	165.91	0.11	42.24
2.021	12.27	4.76	0.88	6.08	166.91	0.12	42.24
2.023	12.27	4.76	0.92	6.1	163.28	0.11	42.24
2.05	12.27	4.76	0.76	6.12	160.91	0.14	42.24
2.111	12.27	4.76	0.72	6.17	156.79	0.11	42.24
2.167	12.27	4.76	0.69	6.18	157.01	0.11	42.25
2.204	12.27	4.76	0.99	6.19	166.1	0.15	42.25
2.222	12.27	4.76	0.84	6.21	157.88	0.14	42.25
2.235	12.27	4.76	0.95	6.22	154.27	0.14	42.24
2.276	12.27	4.76	1.26	6.23	164.57	0.12	42.24
2.338	12.27	4.76	1.26	6.26	173.3	0.18	42.25
2.41	12.27	4.76	0.72	6.28	163.73	0.13	42.25
2.461	12.26	4.76	0.8	6.27	155.52	0.15	42.25
2.482	12.26	4.76	0.65	6.28	153.94	0.12	42.25
2.489	12.26	4.76	1.18	6.28	164.08	0.15	42.25
2.503	12.26	4.76	0.99	6.26	208.8	0.11	42.25
2.555	12.26	4.76	0.8	6.29	210.74	0.14	42.24
2.629	12.26	4.76	0.69	6.3	178.19	0.16	42.25
2.683	12.26	4.76	0.72	6.27	159.1	0.14	42.25
2.713	12.26	4.76	0.69	6.28	157.99	0.11	42.25
2.73	12.26	4.76	0.65	6.3	171.3	0.15	42.24
2.741	12.26	4.76	0.72	6.28	208.07	0.12	42.24
2.768	12.26	4.76	0.69	6.28	260.77	0.15	42.24
2.833	12.26	4.76	0.72	6.3	392.67	0.17	42.24
2.905	12.26	4.76	0.72	6.33	183.47	0.13	42.24
2.929	12.26	4.76	0.8	6.33	242.13	0.16	42.25
2.944	12.27	4.76	0.76	6.34	289.51	0.16	42.24
3.001	12.27	4.76	1.03	6.37	386.98	0.15	42.24
3.078	12.27	4.76	0.65	6.37	415.03	0.15	42.24
3.145	12.27	4.76	0.69	6.38	295.47	0.16	42.24
3.187	12.28	4.76	0.76	6.42	228.08	0.14	42.25
3.203	12.28	4.76	0.92	6.44	277.36	0.12	42.25
3.209	12.28	4.76	0.8	6.42	240.68	0.14	42.25
3.227	12.28	4.76	0.72	6.41	314.55	0.17	42.25
3.263	12.28	4.76	0.88	6.4	313.61	0.11	42.25
3.331	12.28	4.76	0.69	6.43	292.54	0.18	42.25
3.402	12.29	4.76	0.65	6.44	276.71	0.17	42.25
3.437	12.29	4.76	0.95	6.31	229.35	0.17	42.25
3.449	12.29	4.76	0.88	6.29	227.6	0.17	42.25
3.502	12.29	4.76	0.84	6.29	259.09	0.16	42.25
3.577	12.29	4.76	0.76	6.33	368.16	0.12	42.25
3.646	12.29	4.76	0.84	6.37	265.71	0.14	42.25
3.688	12.29	4.76	0.69	6.43	242.64	0.15	42.25
3.707	12.29	4.76	0.72	6.5	240.01	0.16	42.25
3.711	12.29	4.76	0.84	6.54	240.68	0.18	42.25
3.715	12.29	4.76	0.84	6.56	237.35	0.15	42.25
3.743	12.29	4.76	0.76	6.6	251.22	0.16	42.25
3.8	12.29	4.76	0.72	6.67	292.81	0.15	42.25
3.855	12.3	4.76	0.76	6.7	278.97	0.16	42.25
3.889	12.3	4.76	0.65	6.74	276.52	0.17	42.25
3.896	12.3	4.76	0.72	6.76	231.22	0.14	42.25
3.898	12.29	4.76	0.61	6.74	211.92	0.17	42.25
3.94	12.29	4.76	0.84	6.8	219.52	0.19	42.25
4.021	12.29	4.76	0.95	6.84	221.51	0.18	42.25
4.104	12.29	4.76	0.76	6.84	242.13	0.13	42.25
4.15	12.29	4.76	0.76	6.82	326.97	0.14	42.25

4.162	12.3	4.77	0.88	6.83	213.1	0.17	42.26
4.179	12.3	4.77	0.76	6.86	211.77	0.18	42.26
4.214	12.3	4.77	0.8	6.86	212.56	0.15	42.26
4.24	12.31	4.77	0.8	6.79	214.89	0.14	42.26
4.247	12.31	4.77	0.8	6.74	254.44	0.17	42.26
4.249	12.31	4.77	0.88	6.73	271.0	0.16	42.26
4.251	12.31	4.77	0.69	6.69	219.93	0.15	42.26



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	12.44	4.78	0.57	6.24	135.24	0.36	42.24
PROF (metros)	2.279	0.485	4.586	5.934	0.904	0.576	0.503
MÁXIMO	12.78	12.78	1.41	7.85	787.78	1.07	42.53
PROF (metros)	5.76	5.281	5.76	5.593	0.485	5.961	5.213

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	12.46	4.78	0.81	6.84	424.94	0.47	42.24
1 - 2m	12.46	4.78	0.82	6.9	183.93	0.56	42.24
2 - 3m	12.45	4.78	0.82	7.04	202.52	0.59	42.24
3 - 4m	12.45	4.78	0.83	7.34	261.72	0.68	42.25
4 - 5m	12.46	4.78	0.81	7.64	286.9	0.8	42.26
5 - 6m	12.7	4.83	1.1	7.1	227.48	0.94	42.44

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.485	12.46	4.78	0.99	6.77	787.78	0.5	42.25
0.503	12.46	4.78	0.65	6.78	782.32	0.51	42.24
0.53	12.46	4.78	0.8	6.78	770.62	0.51	42.24
0.55	12.46	4.78	0.88	6.79	748.44	0.46	42.24
0.576	12.46	4.78	1.14	6.78	675.1	0.36	42.25
0.634	12.46	4.78	0.92	6.84	641.83	0.43	42.25
0.714	12.46	4.78	0.61	6.86	156.57	0.47	42.25
0.774	12.46	4.78	0.84	6.88	159.21	0.54	42.25
0.806	12.46	4.78	0.69	6.9	174.55	0.5	42.24
0.854	12.46	4.78	0.84	6.91	159.69	0.47	42.24
0.904	12.46	4.78	0.72	6.91	135.24	0.5	42.24
0.917	12.46	4.78	0.76	6.86	150.87	0.36	42.25
0.95	12.46	4.78	0.72	6.83	182.03	0.52	42.24
1.018	12.46	4.78	0.92	6.83	186.82	0.58	42.24
1.076	12.46	4.78	0.84	6.81	160.28	0.61	42.25
1.098	12.46	4.78	0.95	6.82	190.89	0.54	42.25
1.11	12.46	4.78	0.8	6.82	181.4	0.55	42.25
1.147	12.46	4.78	0.76	6.86	165.3	0.54	42.24
1.192	12.46	4.78	0.92	6.89	178.64	0.56	42.24
1.23	12.46	4.78	0.8	6.91	181.14	0.56	42.25
1.26	12.46	4.78	0.88	6.91	178.06	0.57	42.25
1.288	12.46	4.78	0.84	6.92	178.35	0.56	42.25
1.322	12.46	4.78	0.69	6.91	185.01	0.55	42.25
1.355	12.46	4.78	0.76	6.9	184.79	0.57	42.25
1.395	12.46	4.78	0.76	6.89	187.6	0.58	42.25
1.447	12.46	4.78	0.88	6.88	186.6	0.52	42.24
1.502	12.46	4.78	0.84	6.88	177.98	0.56	42.24
1.54	12.46	4.78	0.69	6.89	176.01	0.55	42.24
1.557	12.46	4.78	0.88	6.9	187.29	0.56	42.24
1.573	12.46	4.78	0.8	6.9	191.86	0.54	42.24
1.611	12.46	4.78	0.65	6.92	188.25	0.56	42.24
1.675	12.46	4.78	0.88	6.93	183.47	0.58	42.24
1.733	12.46	4.78	0.84	6.94	184.24	0.56	42.24
1.768	12.45	4.78	0.72	6.95	190.36	0.55	42.24
1.79	12.45	4.78	0.88	6.94	190.89	0.57	42.24
1.825	12.45	4.78	0.84	6.94	189.96	0.55	42.25

1.861	12.45	4.78	0.92	6.95	193.16	0.54	42.24
1.896	12.45	4.78	0.92	6.96	192.84	0.54	42.24
1.936	12.45	4.78	0.72	6.96	185.95	0.53	42.24
1.978	12.45	4.78	0.84	6.96	188.86	0.53	42.24
2.005	12.45	4.78	0.8	6.95	194.14	0.53	42.24
2.024	12.45	4.78	0.88	6.95	196.91	0.55	42.24
2.052	12.45	4.78	0.65	6.94	194.59	0.53	42.24
2.081	12.45	4.78	0.84	6.94	190.58	0.6	42.24
2.118	12.45	4.78	0.84	6.94	195.18	0.59	42.24
2.16	12.45	4.78	0.72	6.95	193.69	0.56	42.24
2.204	12.45	4.78	0.84	6.96	192.0	0.62	42.24
2.246	12.45	4.78	0.8	6.98	192.71	0.59	42.24
2.279	12.44	4.78	0.84	6.99	197.59	0.61	42.24
2.314	12.44	4.78	0.8	7.0	201.38	0.58	42.24
2.347	12.44	4.78	0.84	7.02	200.83	0.57	42.24
2.372	12.44	4.78	0.8	7.01	196.13	0.6	42.24
2.391	12.44	4.78	0.72	7.01	192.13	0.54	42.24
2.422	12.44	4.78	0.92	7.01	201.81	0.62	42.24
2.469	12.44	4.78	0.65	7.02	207.26	0.62	42.24
2.515	12.44	4.78	0.95	7.03	203.69	0.57	42.25
2.544	12.44	4.78	0.84	7.04	197.23	0.63	42.24
2.562	12.44	4.78	0.8	7.04	198.33	0.61	42.24
2.576	12.44	4.78	0.8	7.06	208.03	0.61	42.24
2.62	12.44	4.78	0.76	7.08	213.55	0.6	42.24
2.687	12.44	4.78	0.8	7.12	213.3	0.61	42.24
2.738	12.44	4.78	0.88	7.14	207.83	0.59	42.25
2.756	12.45	4.78	0.84	7.13	204.3	0.6	42.25
2.758	12.45	4.78	1.03	7.13	206.06	0.62	42.25
2.781	12.45	4.78	0.84	7.13	214.89	0.65	42.25
2.828	12.45	4.78	0.88	7.15	221.72	0.63	42.25
2.888	12.45	4.78	0.88	7.18	220.79	0.63	42.25
2.951	12.45	4.78	0.8	7.21	213.99	0.59	42.25
3.0	12.45	4.78	0.76	7.21	211.23	0.62	42.25
3.028	12.45	4.78	0.88	7.22	211.72	0.66	42.25
3.049	12.45	4.78	0.8	7.22	220.23	0.65	42.25
3.082	12.45	4.78	0.8	7.23	235.43	0.63	42.25
3.137	12.45	4.78	0.84	7.25	235.49	0.65	42.25
3.198	12.45	4.78	0.92	7.25	225.19	0.66	42.25
3.243	12.45	4.78	0.8	7.25	219.72	0.63	42.25
3.263	12.45	4.78	0.8	7.24	221.46	0.66	42.25
3.274	12.45	4.78	0.76	7.25	229.51	0.64	42.24
3.294	12.45	4.78	0.88	7.26	236.97	0.64	42.24
3.334	12.45	4.78	0.84	7.27	256.64	0.66	42.24
3.391	12.45	4.78	0.84	7.29	250.0	0.66	42.25
3.457	12.45	4.78	0.84	7.33	232.56	0.67	42.25
3.505	12.45	4.78	0.8	7.38	226.92	0.68	42.24
3.525	12.45	4.78	0.92	7.41	245.29	0.64	42.25
3.542	12.45	4.78	0.88	7.42	270.06	0.72	42.24
3.58	12.45	4.78	0.8	7.42	357.98	0.69	42.25
3.632	12.44	4.78	0.84	7.44	276.26	0.65	42.25
3.684	12.44	4.78	0.76	7.43	256.16	0.7	42.25
3.73	12.45	4.78	0.8	7.42	259.93	0.72	42.25
3.771	12.44	4.78	0.76	7.42	309.42	0.71	42.25
3.805	12.44	4.78	0.92	7.43	336.66	0.75	42.25
3.828	12.44	4.78	0.92	7.43	295.4	0.7	42.25
3.85	12.44	4.78	0.69	7.42	291.39	0.71	42.25
3.88	12.45	4.78	0.95	7.41	305.22	0.73	42.25
3.928	12.44	4.78	0.8	7.42	334.94	0.75	42.25

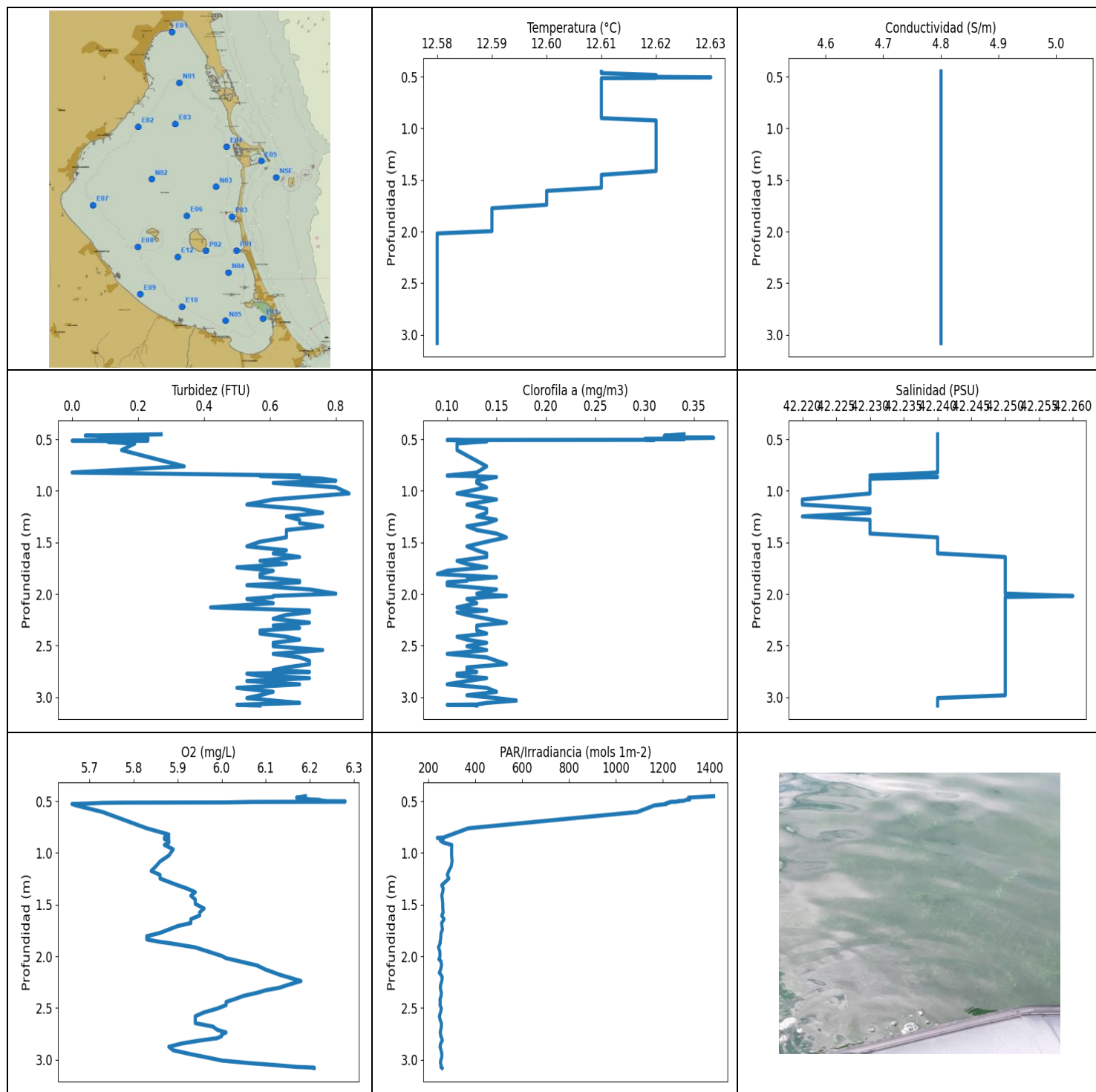
3.99	12.45	4.78	0.76	7.49	314.63	0.75	42.25
4.038	12.45	4.78	0.8	7.59	320.66	0.75	42.25
4.054	12.45	4.78	0.92	7.62	287.9	0.76	42.25
4.061	12.45	4.78	0.72	7.6	330.55	0.75	42.25
4.097	12.45	4.78	0.76	7.6	335.33	0.73	42.25
4.155	12.45	4.78	0.92	7.62	333.7	0.73	42.25
4.202	12.45	4.78	0.84	7.66	309.71	0.73	42.25
4.228	12.45	4.78	0.8	7.65	283.07	0.78	42.25
4.247	12.45	4.78	0.8	7.63	295.54	0.73	42.25
4.273	12.46	4.78	0.76	7.61	256.1	0.77	42.25
4.31	12.46	4.78	0.88	7.61	261.44	0.81	42.25
4.349	12.46	4.78	0.8	7.59	343.59	0.82	42.25
4.383	12.46	4.78	0.95	7.58	306.92	0.8	42.25
4.422	12.46	4.78	0.76	7.54	295.61	0.79	42.25
4.475	12.46	4.78	0.76	7.52	265.59	0.77	42.25
4.525	12.46	4.78	0.8	7.58	299.47	0.82	42.25
4.563	12.46	4.78	0.8	7.61	282.28	0.83	42.26
4.586	12.46	4.78	0.57	7.61	256.04	0.82	42.26
4.6	12.46	4.78	0.84	7.59	281.3	0.81	42.26
4.624	12.46	4.78	0.69	7.58	312.08	0.84	42.26
4.674	12.46	4.78	0.84	7.6	272.7	0.84	42.26
4.737	12.46	4.78	0.8	7.65	247.64	0.81	42.26
4.793	12.46	4.78	0.8	7.78	276.84	0.8	42.26
4.831	12.46	4.79	0.8	7.82	276.97	0.83	42.27
4.854	12.47	4.79	0.76	7.81	242.92	0.81	42.27
4.881	12.47	4.79	0.84	7.77	248.33	0.87	42.27
4.923	12.48	4.79	0.84	7.76	262.23	0.84	42.27
4.974	12.48	4.79	0.92	7.78	261.92	0.87	42.34
5.026	12.51	4.81	0.99	7.72	244.61	0.87	42.42
5.064	12.55	4.81	0.76	7.63	238.73	0.88	42.45
5.086	12.59	4.82	0.92	7.53	250.12	0.88	42.43
5.11	12.63	4.82	0.88	7.46	251.75	0.92	42.39
5.15	12.64	4.82	0.84	7.42	247.52	0.91	42.42
5.213	12.66	4.83	0.92	7.39	251.1	0.92	42.53
5.281	12.71	4.84	0.99	7.35	241.68	0.9	42.49
5.325	12.74	4.84	1.07	7.29	225.14	0.9	42.46
5.347	12.76	4.84	0.95	7.21	226.92	0.91	42.44
5.372	12.77	4.84	1.37	7.13	240.62	0.91	42.43
5.593	12.77	4.84	1.34	7.85	236.8	0.88	42.43
5.76	12.78	4.84	1.41	6.5	219.98	0.96	42.43
5.934	12.77	4.84	1.37	6.24	197.41	0.99	42.44
5.953	12.78	4.84	1.26	6.28	199.16	1.04	42.44
5.96	12.78	4.83	1.3	6.32	183.98	1.03	42.4
5.961	12.77	4.83	1.3	6.33	184.11	1.07	42.41

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	12.33	4.76	0.44	6.3	573.32	0.16	42.14
1 - 2m	12.33	4.76	0.48	5.96	226.22	0.13	42.14

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.428	12.33	4.76	0.72	6.5	954.88	0.21	42.15
0.434	12.33	4.76	0.27	6.5	941.92	0.23	42.15
0.454	12.33	4.76	0.04	6.49	930.2	0.2	42.15
0.465	12.33	4.76	0.42	6.5	926.33	0.2	42.16
0.507	12.33	4.76	0.72	6.5	922.04	0.24	42.15
0.518	12.33	4.76	0.15	6.5	888.48	0.23	42.15
0.52	12.33	4.76	0.72	6.46	891.57	0.19	42.15
0.531	12.33	4.76	0.53	6.42	884.16	0.18	42.14
0.55	12.33	4.76	0.38	6.39	878.24	0.21	42.14
0.557	12.33	4.76	0.23	6.34	866.11	0.18	42.14
0.567	12.33	4.76	0.61	6.31	817.16	0.14	42.14
0.598	12.33	4.76	0.27	6.31	821.53	0.12	42.14
0.642	12.33	4.76	0.57	6.3	785.41	0.15	42.14
0.694	12.33	4.76	0.23	6.3	262.71	0.15	42.14
0.739	12.33	4.76	0.46	6.28	216.79	0.13	42.14
0.77	12.33	4.76	0.53	6.27	205.49	0.13	42.14
0.793	12.33	4.76	0.46	6.24	188.21	0.16	42.14
0.82	12.33	4.76	0.38	6.21	201.2	0.11	42.14
0.863	12.33	4.76	0.53	6.17	188.77	0.14	42.14
0.898	12.33	4.76	0.5	6.12	183.72	0.14	42.14
0.914	12.33	4.76	0.3	6.09	204.39	0.16	42.14
0.917	12.33	4.76	0.53	6.05	194.23	0.14	42.14
0.936	12.33	4.76	0.42	6.02	189.96	0.11	42.14
0.982	12.33	4.76	0.5	5.99	216.19	0.13	42.14
1.037	12.33	4.76	0.42	5.96	206.73	0.14	42.14
1.083	12.33	4.76	0.42	5.93	184.58	0.13	42.14
1.103	12.33	4.76	0.42	5.9	222.85	0.14	42.14
1.107	12.33	4.76	0.53	5.87	228.13	0.11	42.14
1.116	12.33	4.76	0.53	5.84	203.78	0.16	42.14
1.147	12.33	4.76	0.42	5.83	207.02	0.15	42.14
1.186	12.33	4.76	0.57	5.83	220.44	0.15	42.14
1.223	12.33	4.76	0.38	5.83	210.74	0.14	42.14
1.235	12.33	4.76	0.34	5.86	221.97	0.14	42.14
1.243	12.33	4.76	0.38	5.88	226.29	0.11	42.15
1.281	12.33	4.76	0.57	5.9	230.63	0.15	42.14
1.328	12.33	4.76	0.57	5.93	235.05	0.12	42.14
1.363	12.33	4.76	0.53	5.94	225.55	0.1	42.14
1.383	12.33	4.76	0.53	5.94	213.94	0.12	42.14
1.399	12.33	4.76	0.38	5.94	223.37	0.11	42.15
1.426	12.33	4.76	0.46	5.96	245.29	0.12	42.15

1.456	12.33	4.76	0.57	5.96	241.35	0.14	42.15
1.482	12.33	4.76	0.46	5.97	215.29	0.14	42.15
1.509	12.33	4.76	0.5	5.98	210.45	0.12	42.15
1.548	12.33	4.76	0.5	6.0	225.81	0.15	42.15
1.58	12.33	4.76	0.57	6.02	236.15	0.12	42.15
1.592	12.33	4.76	0.53	6.04	238.46	0.13	42.15
1.594	12.33	4.76	0.3	6.07	223.32	0.14	42.15
1.597	12.33	4.76	0.53	6.08	239.51	0.1	42.15
1.598	12.33	4.76	0.46	6.1	266.89	0.12	42.15
1.602	12.33	4.76	0.5	6.12	253.09	0.15	42.15
1.605	12.33	4.76	0.5	6.13	251.16	0.17	42.15



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

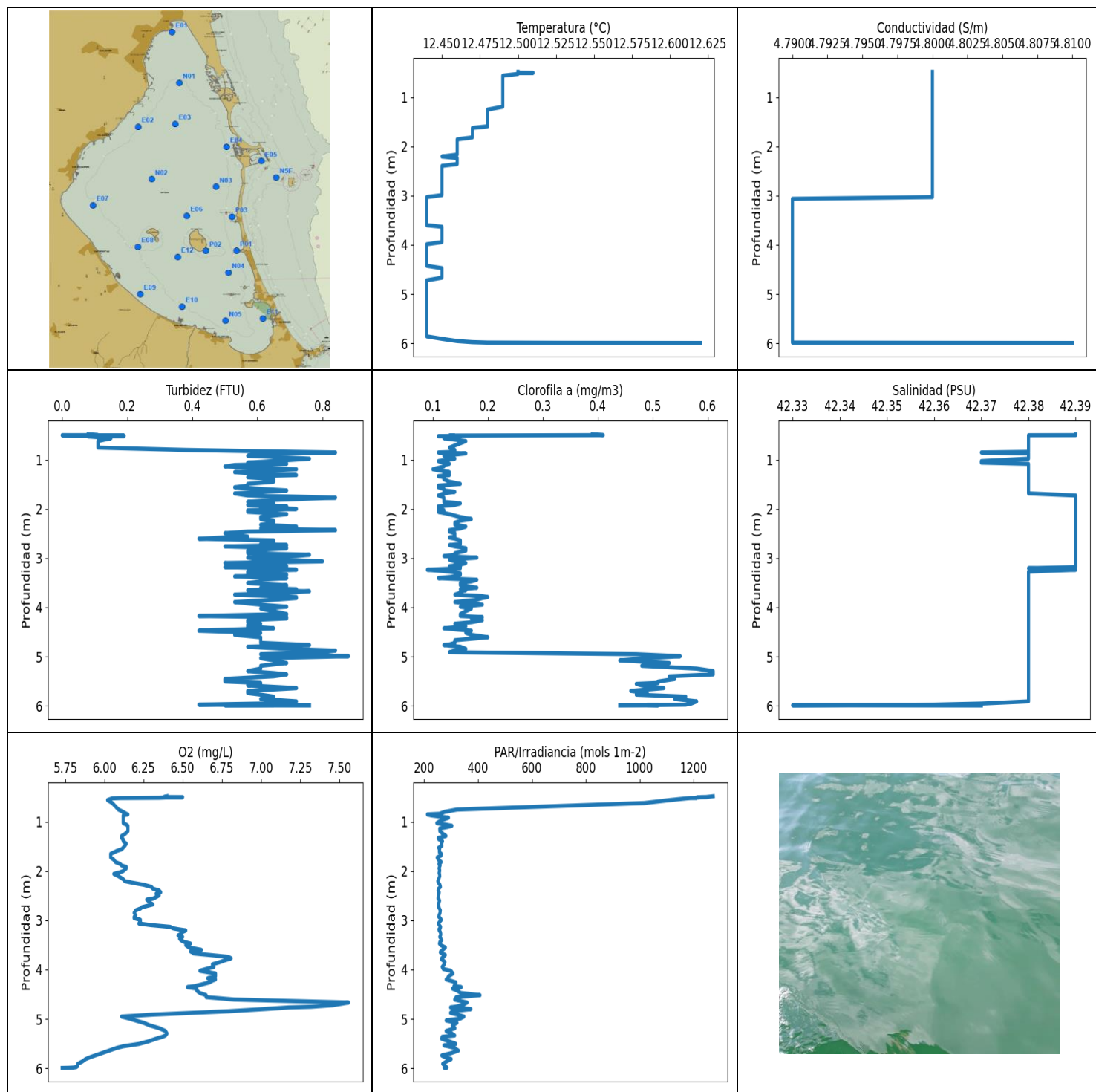
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.58	4.8	0.0	5.66	238.62	0.09	42.22
PROF (metros)	2.018	0.453	0.515	0.528	0.856	1.806	1.084
MÁXIMO	12.63	12.63	0.84	6.28	1416.0	0.37	42.26
PROF (metros)	0.506	0.453	1.026	0.502	0.453	0.487	2.018

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	12.61	4.8	0.33	5.97	914.44	0.2	42.24
1 - 2m	12.61	4.8	0.65	5.9	264.47	0.13	42.24
2 - 3m	12.58	4.8	0.63	6.02	253.32	0.13	42.25
3 - 4m	12.58	4.8	0.57	6.14	255.25	0.14	42.24

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.453	12.61	4.8	0.27	6.19	1416.0	0.34	42.24
0.466	12.61	4.8	0.04	6.17	1309.0	0.32	42.24
0.484	12.62	4.8	0.23	6.2	1314.2	0.34	42.24
0.487	12.62	4.8	0.08	6.22	1300.6	0.37	42.24
0.497	12.62	4.8	0.23	6.23	1288.0	0.3	42.24
0.501	12.62	4.8	0.08	6.24	1265.5	0.34	42.24
0.502	12.62	4.8	0.19	6.28	1266.9	0.3	42.24
0.506	12.63	4.8	0.15	6.28	1255.5	0.31	42.24
0.508	12.62	4.8	0.08	6.07	1233.0	0.1	42.24
0.513	12.62	4.8	0.23	6.01	1225.1	0.12	42.24
0.515	12.61	4.8	0.0	5.78	1227.1	0.11	42.24
0.517	12.61	4.8	0.08	5.73	1221.4	0.12	42.24
0.523	12.61	4.8	0.19	5.7	1211.8	0.14	42.24
0.528	12.61	4.8	0.11	5.66	1215.7	0.13	42.24
0.542	12.61	4.8	0.19	5.67	1163.6	0.11	42.24
0.606	12.61	4.8	0.15	5.73	1090.5	0.11	42.24
0.763	12.61	4.8	0.34	5.83	370.82	0.14	42.24
0.823	12.61	4.8	0.0	5.88	299.26	0.13	42.24
0.852	12.61	4.8	0.69	5.87	264.18	0.1	42.23
0.856	12.61	4.8	0.57	5.88	238.62	0.12	42.23
0.867	12.61	4.8	0.65	5.87	263.81	0.15	42.24
0.883	12.61	4.8	0.76	5.88	251.92	0.14	42.23
0.902	12.61	4.8	0.8	5.88	266.27	0.13	42.23
0.924	12.62	4.8	0.61	5.87	300.24	0.13	42.23
0.966	12.62	4.8	0.8	5.89	299.54	0.14	42.23
1.026	12.62	4.8	0.84	5.88	299.47	0.11	42.23
1.084	12.62	4.8	0.61	5.86	301.56	0.15	42.22
1.133	12.62	4.8	0.53	5.85	297.53	0.12	42.22
1.175	12.62	4.8	0.69	5.84	287.7	0.14	42.23
1.213	12.62	4.8	0.76	5.86	280.98	0.14	42.23
1.248	12.62	4.8	0.65	5.86	287.83	0.13	42.22
1.281	12.62	4.8	0.69	5.88	272.64	0.15	42.23
1.313	12.62	4.8	0.69	5.9	257.17	0.14	42.23
1.343	12.62	4.8	0.76	5.92	263.75	0.12	42.23
1.38	12.62	4.8	0.65	5.94	261.5	0.13	42.23
1.414	12.62	4.8	0.65	5.93	257.41	0.15	42.23
1.451	12.61	4.8	0.65	5.94	260.23	0.16	42.24
1.493	12.61	4.8	0.57	5.94	261.68	0.14	42.24

1.538	12.61	4.8	0.53	5.96	261.98	0.12	42.24
1.576	12.61	4.8	0.65	5.95	263.51	0.13	42.24
1.606	12.6	4.8	0.61	5.95	257.47	0.14	42.24
1.641	12.6	4.8	0.69	5.93	267.26	0.14	42.25
1.678	12.6	4.8	0.57	5.93	257.17	0.11	42.25
1.708	12.6	4.8	0.65	5.9	258.37	0.12	42.25
1.741	12.6	4.8	0.5	5.88	260.59	0.14	42.25
1.774	12.59	4.8	0.61	5.86	254.8	0.1	42.25
1.806	12.59	4.8	0.57	5.83	253.33	0.09	42.25
1.837	12.59	4.8	0.57	5.83	252.68	0.15	42.25
1.861	12.59	4.8	0.65	5.86	250.29	0.12	42.25
1.872	12.59	4.8	0.69	5.88	251.1	0.12	42.25
1.886	12.59	4.8	0.69	5.9	248.73	0.1	42.25
1.914	12.59	4.8	0.53	5.94	243.48	0.1	42.25
1.955	12.59	4.8	0.72	5.97	249.65	0.15	42.25
1.996	12.59	4.8	0.8	6.0	249.83	0.13	42.25
2.018	12.58	4.8	0.61	6.01	248.21	0.16	42.26
2.028	12.58	4.8	0.61	6.02	245.29	0.14	42.25
2.048	12.58	4.8	0.53	6.04	254.38	0.12	42.25
2.088	12.58	4.8	0.61	6.08	256.46	0.13	42.25
2.129	12.58	4.8	0.42	6.1	252.5	0.11	42.25
2.159	12.58	4.8	0.72	6.12	247.06	0.14	42.25
2.176	12.58	4.8	0.72	6.13	253.38	0.11	42.25
2.201	12.58	4.8	0.65	6.15	259.57	0.12	42.25
2.239	12.58	4.8	0.61	6.18	257.71	0.14	42.25
2.277	12.58	4.8	0.72	6.15	252.68	0.16	42.25
2.305	12.58	4.8	0.61	6.13	251.57	0.13	42.25
2.328	12.58	4.8	0.69	6.1	253.44	0.13	42.25
2.353	12.58	4.8	0.57	6.08	255.74	0.13	42.25
2.382	12.58	4.8	0.57	6.05	254.92	0.14	42.25
2.413	12.58	4.8	0.65	6.03	250.17	0.11	42.25
2.441	12.58	4.8	0.69	6.01	250.81	0.12	42.25
2.472	12.58	4.8	0.61	6.01	250.41	0.14	42.25
2.505	12.58	4.8	0.61	5.99	255.92	0.12	42.25
2.542	12.58	4.8	0.76	5.96	252.21	0.14	42.25
2.579	12.58	4.8	0.61	5.94	247.46	0.1	42.25
2.613	12.58	4.8	0.69	5.94	250.52	0.14	42.25
2.646	12.58	4.8	0.72	5.94	256.04	0.15	42.25
2.679	12.58	4.8	0.72	5.98	255.8	0.16	42.25
2.71	12.58	4.8	0.65	5.99	253.38	0.12	42.25
2.736	12.58	4.8	0.61	6.01	250.93	0.12	42.25
2.754	12.58	4.8	0.72	6.0	252.8	0.13	42.25
2.771	12.58	4.8	0.53	6.0	253.44	0.11	42.25
2.791	12.58	4.8	0.57	5.99	257.29	0.11	42.25
2.814	12.58	4.8	0.72	5.95	259.93	0.14	42.25
2.842	12.58	4.8	0.53	5.91	252.91	0.12	42.25
2.874	12.58	4.8	0.69	5.88	250.29	0.1	42.25
2.908	12.58	4.8	0.5	5.89	254.62	0.14	42.25
2.946	12.58	4.8	0.61	5.93	257.95	0.15	42.25
2.98	12.58	4.8	0.57	5.97	257.05	0.12	42.25
3.007	12.58	4.8	0.53	6.0	253.03	0.15	42.24
3.031	12.58	4.8	0.61	6.06	252.27	0.17	42.24
3.054	12.58	4.8	0.69	6.13	254.74	0.14	42.24
3.069	12.58	4.8	0.53	6.17	253.91	0.13	42.24
3.072	12.58	4.8	0.5	6.19	255.63	0.1	42.24
3.076	12.58	4.8	0.53	6.21	258.19	0.13	42.24
3.079	12.58	4.8	0.57	6.21	258.97	0.13	42.24



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	12.44	4.79	0.0	5.73	212.02	0.09	42.33
PROF (metros)	3.064	3.064	0.499	5.995	0.85	3.235	5.992
MÁXIMO	12.62	12.62	0.88	7.56	1272.8	0.61	42.39
PROF (metros)	5.995	5.994	4.993	4.667	0.481	5.296	0.481

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	12.5	4.8	0.31	6.19	806.26	0.17	42.38
1 - 2m	12.48	4.8	0.62	6.11	262.51	0.12	42.38
2 - 3m	12.45	4.8	0.61	6.23	255.63	0.14	42.39
3 - 4m	12.44	4.79	0.63	6.55	263.94	0.15	42.38
4 - 5m	12.44	4.79	0.64	6.72	321.14	0.18	42.38
5 - 6m	12.46	4.8	0.61	6.07	290.15	0.52	42.38

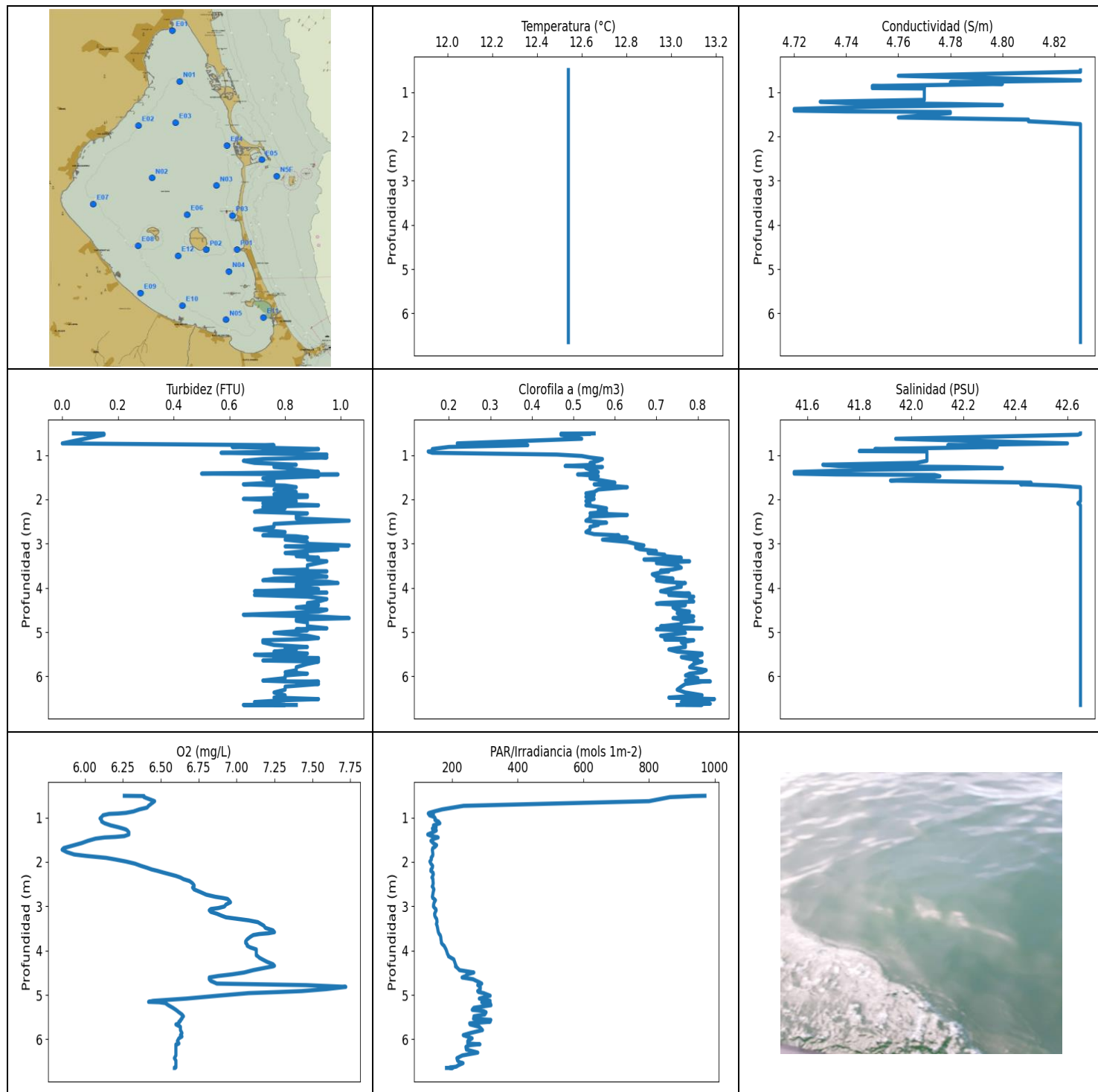
OBSERVACIONES GENERALES

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)
0.481	12.5	4.8	0.08	6.4	1272.8	0.39	42.39
0.497	12.5	4.8	0.11	6.38	1246.8	0.41	42.39
0.499	12.51	4.8	0.0	6.5	1228.8	0.35	42.38
0.503	12.51	4.8	0.08	6.49	1216.9	0.18	42.38
0.506	12.5	4.8	0.19	6.4	1217.4	0.13	42.38
0.513	12.5	4.8	0.11	6.35	1207.9	0.14	42.38
0.517	12.5	4.8	0.19	6.14	1208.4	0.11	42.38
0.518	12.5	4.8	0.11	6.1	1188.4	0.15	42.38
0.524	12.5	4.8	0.08	6.05	1174.7	0.14	42.38
0.559	12.49	4.8	0.15	6.02	1112.5	0.12	42.38
0.619	12.49	4.8	0.11	6.05	1016.8	0.16	42.38
0.752	12.49	4.8	0.11	6.09	321.85	0.13	42.38
0.799	12.49	4.8	0.38	6.12	275.94	0.14	42.38
0.838	12.49	4.8	0.72	6.14	256.69	0.14	42.38
0.85	12.49	4.8	0.84	6.15	212.02	0.11	42.37
0.869	12.49	4.8	0.61	6.12	225.45	0.16	42.38
0.917	12.49	4.8	0.57	6.12	290.51	0.12	42.38
0.976	12.49	4.8	0.76	6.12	261.32	0.14	42.38
1.026	12.49	4.8	0.65	6.12	246.95	0.11	42.37
1.057	12.49	4.8	0.57	6.14	280.39	0.12	42.37
1.081	12.49	4.8	0.69	6.15	303.03	0.13	42.38
1.105	12.49	4.8	0.53	6.15	286.3	0.12	42.38
1.135	12.49	4.8	0.5	6.15	257.95	0.12	42.38
1.191	12.49	4.8	0.72	6.15	258.43	0.1	42.38
1.25	12.48	4.8	0.53	6.13	271.25	0.13	42.38
1.287	12.48	4.8	0.61	6.11	281.17	0.12	42.38
1.31	12.48	4.8	0.72	6.11	265.84	0.13	42.38
1.33	12.48	4.8	0.61	6.11	252.04	0.11	42.38
1.354	12.48	4.8	0.57	6.12	254.38	0.12	42.38
1.394	12.48	4.8	0.65	6.12	268.19	0.12	42.38
1.444	12.48	4.8	0.65	6.14	263.69	0.13	42.38
1.489	12.48	4.8	0.57	6.13	265.71	0.15	42.38
1.525	12.48	4.8	0.57	6.12	253.74	0.11	42.38
1.558	12.48	4.8	0.53	6.11	257.65	0.11	42.38
1.59	12.48	4.8	0.61	6.08	256.46	0.12	42.38
1.622	12.47	4.8	0.69	6.06	256.75	0.12	42.38

1.65	12.47	4.8	0.61	6.04	263.87	0.14	42.38
1.682	12.47	4.8	0.53	6.04	263.26	0.12	42.38
1.724	12.47	4.8	0.57	6.04	248.27	0.11	42.39
1.769	12.47	4.8	0.84	6.06	252.62	0.12	42.39
1.815	12.47	4.8	0.65	6.07	263.51	0.12	42.39
1.854	12.46	4.8	0.57	6.1	254.8	0.12	42.39
1.886	12.46	4.8	0.65	6.11	259.27	0.15	42.39
1.916	12.46	4.8	0.57	6.14	256.93	0.14	42.39
1.945	12.46	4.8	0.69	6.14	255.09	0.11	42.39
1.97	12.46	4.8	0.61	6.13	257.47	0.11	42.39
1.998	12.46	4.8	0.72	6.12	257.65	0.11	42.39
2.024	12.46	4.8	0.57	6.1	255.92	0.12	42.39
2.04	12.46	4.8	0.57	6.08	255.27	0.12	42.39
2.057	12.46	4.8	0.57	6.06	257.05	0.11	42.39
2.104	12.46	4.8	0.69	6.09	257.89	0.13	42.39
2.164	12.46	4.8	0.61	6.12	253.68	0.15	42.39
2.204	12.45	4.8	0.61	6.13	250.76	0.17	42.39
2.237	12.46	4.8	0.65	6.18	252.91	0.15	42.39
2.277	12.46	4.8	0.65	6.25	258.43	0.14	42.39
2.32	12.46	4.8	0.61	6.3	260.47	0.14	42.39
2.357	12.46	4.8	0.72	6.31	253.33	0.16	42.39
2.394	12.45	4.8	0.61	6.35	251.86	0.15	42.39
2.43	12.45	4.8	0.84	6.36	255.92	0.13	42.39
2.459	12.45	4.8	0.57	6.33	254.86	0.13	42.39
2.491	12.45	4.8	0.5	6.35	252.91	0.14	42.39
2.528	12.45	4.8	0.53	6.33	252.1	0.14	42.39
2.559	12.45	4.8	0.57	6.31	251.69	0.14	42.39
2.58	12.45	4.8	0.5	6.27	255.74	0.13	42.39
2.603	12.45	4.8	0.42	6.28	257.29	0.14	42.39
2.638	12.45	4.8	0.65	6.29	254.74	0.15	42.39
2.676	12.45	4.8	0.65	6.31	253.44	0.15	42.39
2.709	12.45	4.8	0.61	6.27	254.09	0.15	42.39
2.733	12.45	4.8	0.69	6.24	254.09	0.13	42.39
2.76	12.45	4.8	0.5	6.23	256.69	0.14	42.39
2.797	12.45	4.8	0.69	6.2	260.05	0.16	42.39
2.847	12.45	4.8	0.57	6.19	258.91	0.16	42.39
2.898	12.45	4.8	0.57	6.2	255.27	0.14	42.39
2.931	12.45	4.8	0.76	6.19	254.44	0.14	42.39
2.956	12.45	4.8	0.72	6.19	259.63	0.12	42.39
2.989	12.45	4.8	0.57	6.23	263.93	0.18	42.39
3.029	12.44	4.8	0.61	6.23	257.17	0.13	42.39
3.064	12.44	4.79	0.8	6.22	252.86	0.14	42.39
3.097	12.44	4.79	0.5	6.3	256.28	0.16	42.39
3.132	12.44	4.79	0.53	6.42	261.07	0.15	42.39
3.162	12.44	4.79	0.69	6.44	259.69	0.13	42.39
3.18	12.44	4.79	0.5	6.47	254.92	0.15	42.39
3.204	12.44	4.79	0.65	6.52	255.63	0.15	42.38
3.235	12.44	4.79	0.72	6.5	259.99	0.09	42.39
3.272	12.44	4.79	0.57	6.49	261.5	0.13	42.38
3.306	12.44	4.79	0.57	6.47	260.89	0.15	42.38
3.336	12.44	4.79	0.69	6.5	257.89	0.15	42.38
3.371	12.44	4.79	0.53	6.48	262.11	0.14	42.38
3.405	12.44	4.79	0.69	6.49	265.1	0.11	42.38
3.438	12.44	4.79	0.61	6.51	258.49	0.18	42.38
3.471	12.44	4.79	0.61	6.55	256.75	0.17	42.38
3.504	12.44	4.79	0.57	6.52	262.17	0.15	42.38
3.55	12.44	4.79	0.69	6.54	278.77	0.15	42.38
3.6	12.44	4.79	0.61	6.62	269.06	0.18	42.38

3.632	12.45	4.79	0.72	6.55	261.2	0.15	42.38
3.65	12.45	4.79	0.57	6.58	260.05	0.16	42.38
3.672	12.45	4.79	0.76	6.57	266.7	0.15	42.38
3.702	12.45	4.79	0.69	6.67	278.58	0.15	42.38
3.74	12.45	4.79	0.53	6.79	272.45	0.14	42.38
3.77	12.45	4.79	0.65	6.81	264.79	0.19	42.38
3.79	12.45	4.79	0.72	6.79	264.49	0.2	42.38
3.81	12.45	4.79	0.72	6.77	269.56	0.19	42.38
3.845	12.45	4.79	0.65	6.74	277.23	0.18	42.38
3.892	12.45	4.79	0.53	6.69	274.86	0.14	42.38
3.944	12.45	4.79	0.61	6.7	266.89	0.19	42.38
3.987	12.44	4.79	0.69	6.65	271.0	0.15	42.38
4.023	12.44	4.79	0.61	6.61	298.99	0.17	42.38
4.078	12.44	4.79	0.65	6.71	306.99	0.16	42.38
4.135	12.44	4.79	0.69	6.71	290.38	0.15	42.38
4.175	12.44	4.79	0.42	6.66	287.17	0.15	42.38
4.198	12.44	4.79	0.69	6.71	281.63	0.19	42.38
4.224	12.44	4.79	0.69	6.69	297.81	0.17	42.38
4.26	12.44	4.79	0.57	6.67	318.22	0.19	42.38
4.301	12.44	4.79	0.57	6.62	317.48	0.17	42.38
4.332	12.44	4.79	0.61	6.58	310.71	0.14	42.38
4.355	12.44	4.79	0.57	6.53	338.14	0.15	42.38
4.384	12.44	4.79	0.57	6.59	305.08	0.16	42.38
4.426	12.44	4.79	0.65	6.59	323.5	0.12	42.38
4.474	12.45	4.79	0.42	6.61	335.8	0.17	42.38
4.518	12.45	4.79	0.61	6.65	407.41	0.16	42.38
4.558	12.45	4.79	0.53	6.65	319.03	0.17	42.38
4.607	12.45	4.79	0.61	6.83	313.39	0.2	42.38
4.667	12.45	4.79	0.61	7.56	359.06	0.14	42.38
4.721	12.44	4.79	0.61	7.46	342.96	0.14	42.38
4.753	12.44	4.79	0.72	7.32	315.5	0.13	42.38
4.766	12.44	4.79	0.76	7.18	297.95	0.12	42.38
4.8	12.44	4.79	0.57	7.02	373.58	0.15	42.38
4.844	12.44	4.79	0.69	6.79	304.65	0.16	42.38
4.878	12.44	4.79	0.84	6.55	297.74	0.14	42.38
4.912	12.44	4.79	0.8	6.31	324.63	0.13	42.38
4.952	12.44	4.79	0.61	6.11	347.68	0.47	42.38
4.993	12.44	4.79	0.88	6.16	334.09	0.55	42.38
5.032	12.44	4.79	0.61	6.2	281.7	0.49	42.38
5.078	12.44	4.79	0.65	6.25	321.93	0.44	42.38
5.131	12.44	4.79	0.69	6.29	303.88	0.53	42.38
5.188	12.44	4.79	0.61	6.35	314.48	0.48	42.38
5.245	12.44	4.79	0.61	6.39	281.44	0.58	42.38
5.296	12.44	4.79	0.57	6.4	302.96	0.61	42.38
5.335	12.44	4.79	0.65	6.39	313.39	0.61	42.38
5.363	12.44	4.79	0.69	6.37	266.83	0.61	42.38
5.401	12.44	4.79	0.65	6.33	264.61	0.53	42.38
5.456	12.44	4.79	0.5	6.28	293.42	0.54	42.38
5.507	12.44	4.79	0.5	6.22	318.0	0.51	42.38
5.536	12.44	4.79	0.61	6.16	273.4	0.51	42.38
5.555	12.44	4.79	0.61	6.12	289.17	0.47	42.38
5.587	12.44	4.79	0.57	6.08	312.08	0.48	42.38
5.642	12.44	4.79	0.72	6.03	326.89	0.52	42.38
5.698	12.44	4.79	0.57	5.98	297.4	0.46	42.38
5.742	12.44	4.79	0.57	5.94	265.16	0.49	42.38
5.775	12.44	4.79	0.61	5.91	277.16	0.47	42.38
5.815	12.44	4.79	0.65	5.88	300.31	0.56	42.38
5.861	12.44	4.79	0.61	5.86	283.6	0.54	42.38

5.911	12.45	4.79	0.72	5.83	268.81	0.58	42.38
5.956	12.46	4.79	0.61	5.83	279.74	0.57	42.37
5.978	12.47	4.79	0.42	5.82	281.89	0.56	42.36
5.987	12.48	4.79	0.65	5.8	285.11	0.49	42.34
5.992	12.53	4.8	0.5	5.77	274.48	0.51	42.33
5.994	12.58	4.81	0.61	5.74	276.65	0.46	42.35
5.995	12.62	4.81	0.76	5.73	279.68	0.44	42.37



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.54	4.72	0.0	5.85	125.92	0.15	41.55
PROF (metros)	0.51	1.382	0.736	1.725	1.382	0.918	1.382
MÁXIMO	12.55	12.55	1.03	7.72	970.5	0.84	42.65
PROF (metros)	1.991	0.51	2.483	4.819	0.51	6.514	0.51

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	12.54	4.79	0.51	6.3	437.06	0.34	42.22
1 - 2m	12.54	4.79	0.79	6.1	144.2	0.55	42.2
2 - 3m	12.54	4.83	0.81	6.68	141.59	0.57	42.65
3 - 4m	12.54	4.83	0.88	7.05	158.65	0.71	42.65
4 - 5m	12.54	4.83	0.87	7.14	239.72	0.75	42.65
5 - 6m	12.54	4.83	0.82	6.61	284.61	0.77	42.65
6 - 7m	12.54	4.83	0.79	6.6	229.85	0.79	42.65

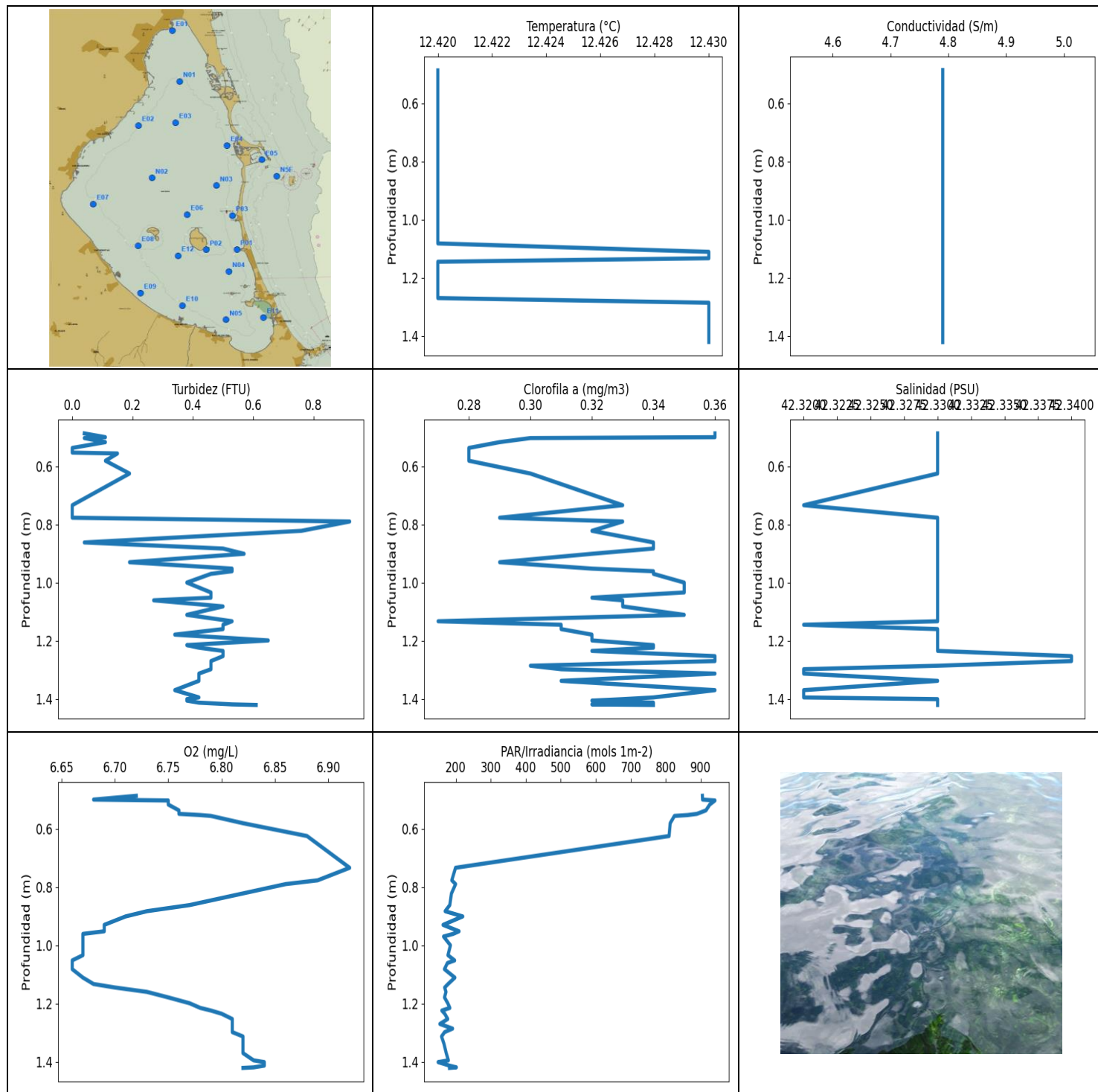
OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.51	12.54	4.83	0.04	6.26	970.5	0.55	42.65
0.516	12.54	4.83	0.15	6.39	930.42	0.47	42.65
0.521	12.54	4.83	0.08	6.39	920.55	0.54	42.65
0.54	12.54	4.83	0.15	6.39	864.11	0.47	42.64
0.631	12.54	4.76	0.08	6.46	800.29	0.52	41.94
0.736	12.54	4.83	0.0	6.42	235.16	0.22	42.6
0.776	12.54	4.78	0.76	6.41	202.04	0.39	42.14
0.816	12.54	4.8	0.61	6.36	170.16	0.2	42.33
0.863	12.54	4.75	0.92	6.32	145.41	0.16	41.86
0.895	12.54	4.77	0.84	6.27	130.37	0.16	42.0
0.909	12.54	4.75	0.72	6.22	127.51	0.16	41.8
0.918	12.54	4.77	0.8	6.16	143.57	0.15	42.06
0.948	12.54	4.77	0.57	6.12	130.98	0.16	42.06
0.988	12.54	4.77	0.95	6.11	145.92	0.46	42.06
1.02	12.54	4.77	0.88	6.1	148.96	0.52	42.06
1.054	12.54	4.77	0.95	6.11	147.76	0.54	42.06
1.089	12.54	4.77	0.72	6.11	158.51	0.57	42.06
1.129	12.54	4.77	0.65	6.13	162.94	0.56	42.06
1.176	12.54	4.77	0.69	6.17	143.37	0.54	42.02
1.218	12.54	4.73	0.84	6.22	151.5	0.55	41.66
1.247	12.54	4.74	0.76	6.25	140.12	0.48	41.72
1.269	12.54	4.78	0.76	6.27	141.36	0.57	42.18
1.291	12.54	4.8	0.8	6.28	152.14	0.53	42.35
1.331	12.54	4.75	0.84	6.29	142.21	0.54	41.85
1.382	12.54	4.72	0.92	6.29	125.92	0.56	41.55
1.419	12.54	4.72	0.5	6.26	138.66	0.54	41.55
1.437	12.54	4.74	0.99	6.2	152.14	0.51	41.71
1.449	12.54	4.78	0.8	6.13	157.77	0.53	42.09
1.476	12.54	4.78	0.92	6.07	146.02	0.56	42.11
1.525	12.54	4.77	0.72	6.02	135.68	0.54	42.06
1.575	12.54	4.76	0.76	5.98	142.21	0.57	41.92
1.622	12.54	4.81	0.76	5.93	153.05	0.6	42.46
1.66	12.54	4.81	0.65	5.89	148.51	0.55	42.42
1.689	12.54	4.82	0.8	5.86	141.39	0.58	42.56
1.725	12.54	4.83	0.84	5.85	139.92	0.63	42.65

1.778	12.54	4.83	0.76	5.88	140.9	0.56	42.65
1.833	12.54	4.83	0.84	5.93	141.75	0.55	42.65
1.866	12.54	4.83	0.8	6.01	140.77	0.53	42.65
1.885	12.54	4.83	0.76	6.07	138.12	0.55	42.65
1.909	12.54	4.83	0.88	6.14	136.37	0.55	42.65
1.945	12.54	4.83	0.88	6.2	137.16	0.53	42.65
1.991	12.54	4.83	0.65	6.27	132.48	0.55	42.65
2.04	12.54	4.83	0.84	6.33	135.68	0.53	42.65
2.09	12.54	4.83	0.72	6.37	141.0	0.54	42.64
2.133	12.54	4.83	0.92	6.41	140.02	0.53	42.65
2.17	12.54	4.83	0.72	6.44	135.96	0.56	42.65
2.204	12.54	4.83	0.8	6.48	135.39	0.58	42.65
2.243	12.54	4.83	0.72	6.52	142.21	0.56	42.65
2.28	12.54	4.83	0.69	6.56	143.17	0.58	42.65
2.316	12.54	4.83	0.88	6.6	141.26	0.54	42.65
2.352	12.54	4.83	0.84	6.63	138.73	0.63	42.65
2.389	12.54	4.83	0.84	6.65	141.85	0.54	42.65
2.432	12.54	4.83	0.84	6.69	142.01	0.54	42.65
2.483	12.54	4.83	1.03	6.71	142.67	0.53	42.65
2.528	12.54	4.83	0.84	6.72	141.52	0.58	42.65
2.555	12.54	4.83	0.76	6.72	139.57	0.55	42.65
2.578	12.54	4.83	0.76	6.71	142.34	0.56	42.65
2.621	12.54	4.83	0.76	6.72	144.81	0.54	42.65
2.678	12.54	4.83	0.69	6.76	142.74	0.54	42.65
2.739	12.54	4.83	0.8	6.8	141.23	0.53	42.65
2.787	12.54	4.83	0.76	6.86	140.09	0.55	42.65
2.814	12.54	4.83	0.72	6.91	141.26	0.61	42.65
2.835	12.54	4.83	0.84	6.94	145.48	0.59	42.65
2.865	12.54	4.83	0.88	6.95	149.51	0.63	42.65
2.911	12.54	4.83	0.8	6.96	145.78	0.57	42.65
2.962	12.54	4.83	0.88	6.93	143.9	0.63	42.65
3.006	12.54	4.83	0.88	6.92	143.4	0.65	42.65
3.041	12.54	4.83	1.03	6.88	146.9	0.67	42.65
3.063	12.54	4.83	0.8	6.83	150.59	0.65	42.65
3.092	12.54	4.83	0.92	6.82	151.68	0.65	42.65
3.127	12.54	4.83	0.99	6.83	149.41	0.66	42.65
3.169	12.54	4.83	0.88	6.87	146.94	0.7	42.65
3.212	12.54	4.83	0.8	6.9	147.38	0.68	42.65
3.25	12.54	4.83	0.88	6.93	149.58	0.72	42.65
3.283	12.54	4.83	0.84	7.0	152.91	0.72	42.65
3.319	12.54	4.83	0.92	7.08	153.84	0.76	42.65
3.359	12.54	4.83	0.88	7.14	154.23	0.67	42.65
3.4	12.54	4.83	0.95	7.16	152.35	0.78	42.65
3.44	12.54	4.83	0.92	7.18	154.41	0.7	42.65
3.489	12.54	4.83	0.88	7.19	155.88	0.75	42.65
3.544	12.54	4.83	0.88	7.24	157.15	0.76	42.65
3.585	12.54	4.83	0.88	7.25	158.36	0.74	42.65
3.61	12.54	4.83	0.76	7.21	159.91	0.71	42.65
3.627	12.54	4.83	0.95	7.15	160.87	0.73	42.65
3.651	12.54	4.83	0.76	7.11	163.89	0.71	42.65
3.693	12.54	4.83	0.88	7.09	165.6	0.69	42.65
3.747	12.54	4.83	0.95	7.07	166.3	0.7	42.65
3.793	12.54	4.83	0.76	7.06	167.38	0.74	42.65
3.829	12.54	4.83	0.72	7.06	167.81	0.7	42.65
3.86	12.54	4.83	0.95	7.07	170.91	0.72	42.65
3.892	12.54	4.83	0.99	7.07	175.77	0.77	42.65
3.929	12.54	4.83	0.84	7.09	178.35	0.75	42.65
3.974	12.54	4.83	0.84	7.13	181.65	0.76	42.65

4.029	12.54	4.83	0.92	7.13	184.28	0.73	42.65
4.077	12.54	4.83	0.69	7.13	186.21	0.71	42.65
4.108	12.54	4.83	0.95	7.13	188.64	0.73	42.65
4.129	12.54	4.83	0.84	7.14	189.26	0.78	42.65
4.161	12.54	4.83	0.69	7.15	196.68	0.73	42.65
4.199	12.54	4.83	0.88	7.17	205.34	0.79	42.65
4.253	12.54	4.83	0.95	7.2	207.79	0.78	42.65
4.308	12.54	4.83	0.92	7.24	210.31	0.79	42.65
4.343	12.54	4.83	0.88	7.25	212.26	0.71	42.65
4.357	12.54	4.83	0.88	7.24	210.45	0.7	42.65
4.388	12.54	4.83	0.92	7.19	215.84	0.77	42.65
4.442	12.54	4.83	0.84	7.11	222.75	0.74	42.65
4.495	12.54	4.83	0.95	7.05	266.45	0.75	42.65
4.537	12.54	4.83	0.92	6.97	246.43	0.78	42.65
4.573	12.54	4.83	0.8	6.88	241.51	0.75	42.65
4.607	12.54	4.83	0.65	6.82	230.57	0.77	42.65
4.647	12.54	4.83	0.92	6.82	264.06	0.79	42.65
4.685	12.54	4.83	1.03	6.83	274.35	0.74	42.65
4.714	12.54	4.83	0.84	6.85	283.2	0.76	42.65
4.745	12.54	4.83	0.84	6.87	290.51	0.79	42.65
4.78	12.54	4.83	0.88	7.46	278.39	0.76	42.65
4.819	12.54	4.83	0.88	7.72	286.3	0.76	42.65
4.87	12.54	4.83	0.88	7.59	286.04	0.71	42.65
4.914	12.54	4.83	0.95	7.43	278.19	0.81	42.65
4.935	12.54	4.83	0.84	7.28	280.72	0.7	42.65
4.96	12.54	4.83	0.88	7.08	296.09	0.76	42.65
5.018	12.54	4.83	0.76	6.88	316.23	0.77	42.65
5.083	12.54	4.83	0.88	6.67	283.07	0.71	42.65
5.134	12.54	4.83	0.92	6.45	315.94	0.73	42.65
5.157	12.54	4.83	0.88	6.42	313.24	0.77	42.65
5.165	12.54	4.83	0.84	6.49	290.51	0.72	42.65
5.184	12.54	4.83	0.72	6.53	316.23	0.79	42.65
5.232	12.54	4.83	0.72	6.55	318.66	0.76	42.65
5.291	12.54	4.83	0.76	6.58	266.7	0.77	42.65
5.337	12.54	4.83	0.88	6.6	261.5	0.77	42.65
5.363	12.54	4.83	0.8	6.61	295.88	0.75	42.65
5.392	12.54	4.83	0.84	6.62	303.74	0.73	42.65
5.441	12.54	4.83	0.76	6.64	299.68	0.75	42.65
5.483	12.54	4.83	0.88	6.65	266.7	0.81	42.65
5.512	12.54	4.83	0.69	6.64	268.56	0.81	42.65
5.537	12.54	4.83	0.76	6.64	265.28	0.8	42.65
5.564	12.54	4.83	0.76	6.63	318.29	0.76	42.65
5.587	12.54	4.83	0.92	6.63	302.89	0.77	42.65
5.605	12.54	4.83	0.76	6.62	316.16	0.78	42.65
5.625	12.54	4.83	0.92	6.62	283.2	0.8	42.65
5.641	12.54	4.83	0.72	6.62	253.68	0.79	42.65
5.666	12.54	4.83	0.92	6.6	255.09	0.81	42.65
5.719	12.54	4.83	0.88	6.63	283.27	0.79	42.65
5.793	12.54	4.83	0.84	6.63	292.88	0.78	42.65
5.861	12.54	4.83	0.84	6.64	255.33	0.82	42.65
5.907	12.54	4.83	0.8	6.63	234.18	0.81	42.65
5.938	12.54	4.83	0.88	6.64	246.38	0.78	42.65
5.979	12.54	4.83	0.8	6.62	261.2	0.77	42.65
6.04	12.54	4.83	0.8	6.61	247.98	0.8	42.65
6.095	12.54	4.83	0.72	6.62	248.04	0.77	42.65
6.114	12.54	4.83	0.8	6.61	285.05	0.83	42.65
6.118	12.54	4.83	0.92	6.6	274.99	0.81	42.65
6.134	12.54	4.83	0.84	6.6	253.38	0.8	42.65

6.172	12.54	4.83	0.92	6.6	242.36	0.77	42.65
6.231	12.54	4.83	0.8	6.6	243.65	0.76	42.65
6.301	12.54	4.83	0.8	6.6	278.45	0.75	42.65
6.365	12.54	4.83	0.76	6.6	231.32	0.77	42.65
6.427	12.54	4.83	0.8	6.59	214.74	0.81	42.65
6.48	12.54	4.83	0.76	6.6	216.84	0.73	42.65
6.514	12.54	4.83	0.92	6.6	222.13	0.84	42.65
6.539	12.54	4.83	0.8	6.6	233.59	0.79	42.65
6.581	12.54	4.83	0.69	6.6	220.9	0.76	42.65
6.618	12.54	4.83	0.72	6.6	212.61	0.83	42.65
6.634	12.54	4.83	0.76	6.6	199.3	0.77	42.65
6.639	12.54	4.83	0.76	6.59	192.26	0.77	42.65
6.644	12.54	4.83	0.8	6.59	193.96	0.81	42.65
6.646	12.54	4.83	0.65	6.59	202.23	0.78	42.65
6.647	12.54	4.83	0.84	6.59	183.17	0.75	42.65



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

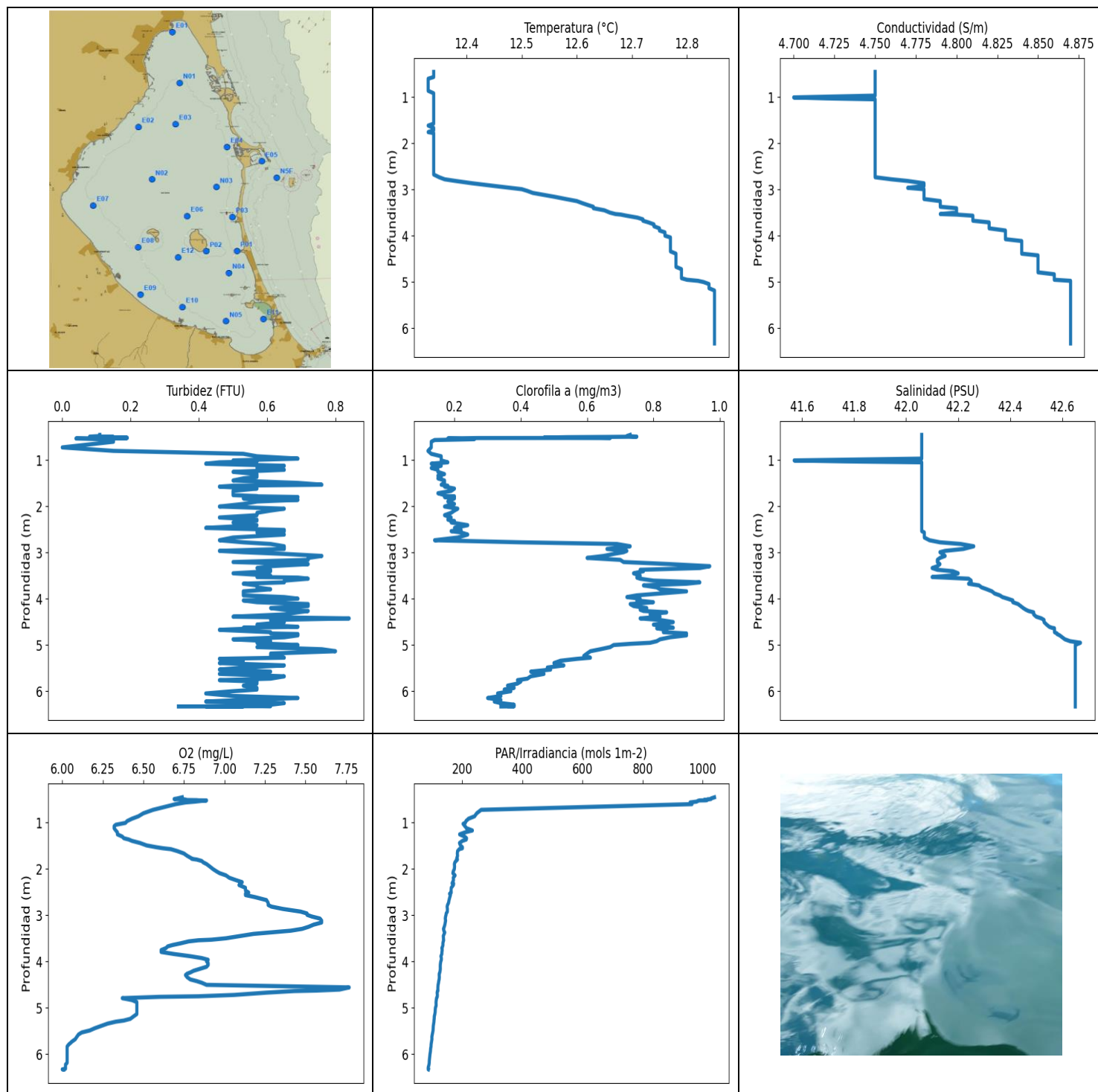
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.42	4.79	0.0	6.66	149.48	0.27	42.32
PROF (metros)	0.486	0.486	0.536	1.051	1.4	1.132	0.733
MÁXIMO	12.43	12.43	0.92	6.92	940.82	0.36	42.34
PROF (metros)	1.081	0.486	0.789	0.733	0.502	0.486	1.252

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	12.42	4.79	0.33	6.75	470.52	0.32	42.33
1 - 2m	12.43	4.79	0.45	6.77	174.43	0.33	42.33

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.486	12.42	4.79	0.04	6.72	904.89	0.36	42.33
0.499	12.42	4.79	0.11	6.68	905.31	0.36	42.33
0.502	12.42	4.79	0.04	6.75	940.82	0.3	42.33
0.516	12.42	4.79	0.11	6.75	925.9	0.29	42.33
0.536	12.42	4.79	0.0	6.76	915.02	0.28	42.33
0.548	12.42	4.79	0.0	6.76	889.09	0.28	42.33
0.552	12.42	4.79	0.0	6.78	863.1	0.28	42.33
0.555	12.42	4.79	0.15	6.79	824.96	0.28	42.33
0.58	12.42	4.79	0.11	6.82	812.82	0.28	42.33
0.624	12.42	4.79	0.19	6.88	809.62	0.3	42.33
0.733	12.42	4.79	0.0	6.92	199.25	0.33	42.32
0.776	12.42	4.79	0.0	6.89	188.64	0.29	42.33
0.789	12.42	4.79	0.92	6.86	199.48	0.33	42.33
0.821	12.42	4.79	0.76	6.82	187.64	0.32	42.33
0.861	12.42	4.79	0.04	6.77	182.83	0.34	42.33
0.882	12.42	4.79	0.5	6.73	169.6	0.34	42.33
0.9	12.42	4.79	0.57	6.71	219.93	0.32	42.33
0.929	12.42	4.79	0.19	6.69	163.62	0.29	42.33
0.951	12.42	4.79	0.53	6.69	209.33	0.32	42.33
0.96	12.42	4.79	0.53	6.67	192.4	0.34	42.33
0.969	12.42	4.79	0.46	6.67	164.99	0.34	42.33
0.999	12.42	4.79	0.38	6.67	184.71	0.35	42.33
1.033	12.42	4.79	0.46	6.67	177.61	0.35	42.33
1.051	12.42	4.79	0.46	6.66	196.77	0.32	42.33
1.06	12.42	4.79	0.27	6.66	176.09	0.33	42.33
1.081	12.42	4.79	0.5	6.66	167.57	0.33	42.33
1.11	12.43	4.79	0.38	6.67	197.36	0.35	42.33
1.132	12.43	4.79	0.53	6.68	177.9	0.27	42.33
1.144	12.42	4.79	0.5	6.7	168.2	0.31	42.32
1.159	12.42	4.79	0.5	6.73	171.9	0.31	42.33
1.178	12.42	4.79	0.34	6.75	167.73	0.32	42.33
1.198	12.42	4.79	0.65	6.77	177.12	0.32	42.33
1.214	12.42	4.79	0.38	6.78	183.0	0.34	42.33
1.223	12.42	4.79	0.42	6.79	160.13	0.34	42.33
1.234	12.42	4.79	0.5	6.8	168.39	0.32	42.33
1.252	12.42	4.79	0.5	6.81	176.99	0.36	42.34
1.269	12.42	4.79	0.46	6.81	154.48	0.36	42.34
1.285	12.43	4.79	0.46	6.81	190.89	0.3	42.33
1.297	12.43	4.79	0.46	6.81	168.08	0.31	42.32
1.312	12.43	4.79	0.42	6.82	159.24	0.36	42.32

1.337	12.43	4.79	0.42	6.82	166.18	0.31	42.33
1.369	12.43	4.79	0.34	6.82	172.66	0.36	42.32
1.394	12.43	4.79	0.42	6.83	178.81	0.34	42.32
1.4	12.43	4.79	0.38	6.84	149.48	0.33	42.33
1.405	12.43	4.79	0.38	6.84	163.24	0.32	42.33
1.412	12.43	4.79	0.42	6.84	181.65	0.34	42.33
1.418	12.43	4.79	0.53	6.83	201.67	0.32	42.33
1.42	12.43	4.79	0.61	6.82	182.03	0.34	42.33



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	12.33	4.7	0.0	6.0	87.09	0.12	41.57
PROF (metros)	0.6	1.005	0.723	6.333	6.332	0.798	1.005
MÁXIMO	12.85	12.85	0.84	7.77	1039.2	0.97	42.67
PROF (metros)	5.188	4.978	4.427	4.562	0.452	3.296	4.955

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	12.34	4.75	0.22	6.7	820.75	0.4	42.06
1 - 2m	12.34	4.75	0.56	6.58	195.9	0.17	42.03
2 - 3m	12.36	4.76	0.56	7.17	161.96	0.31	42.09
3 - 4m	12.66	4.8	0.62	7.06	137.59	0.78	42.21
4 - 5m	12.78	4.85	0.63	6.88	120.64	0.81	42.53
5 - 6m	12.85	4.87	0.58	6.22	102.62	0.5	42.65
6 - 7m	12.85	4.87	0.52	6.02	89.18	0.35	42.65

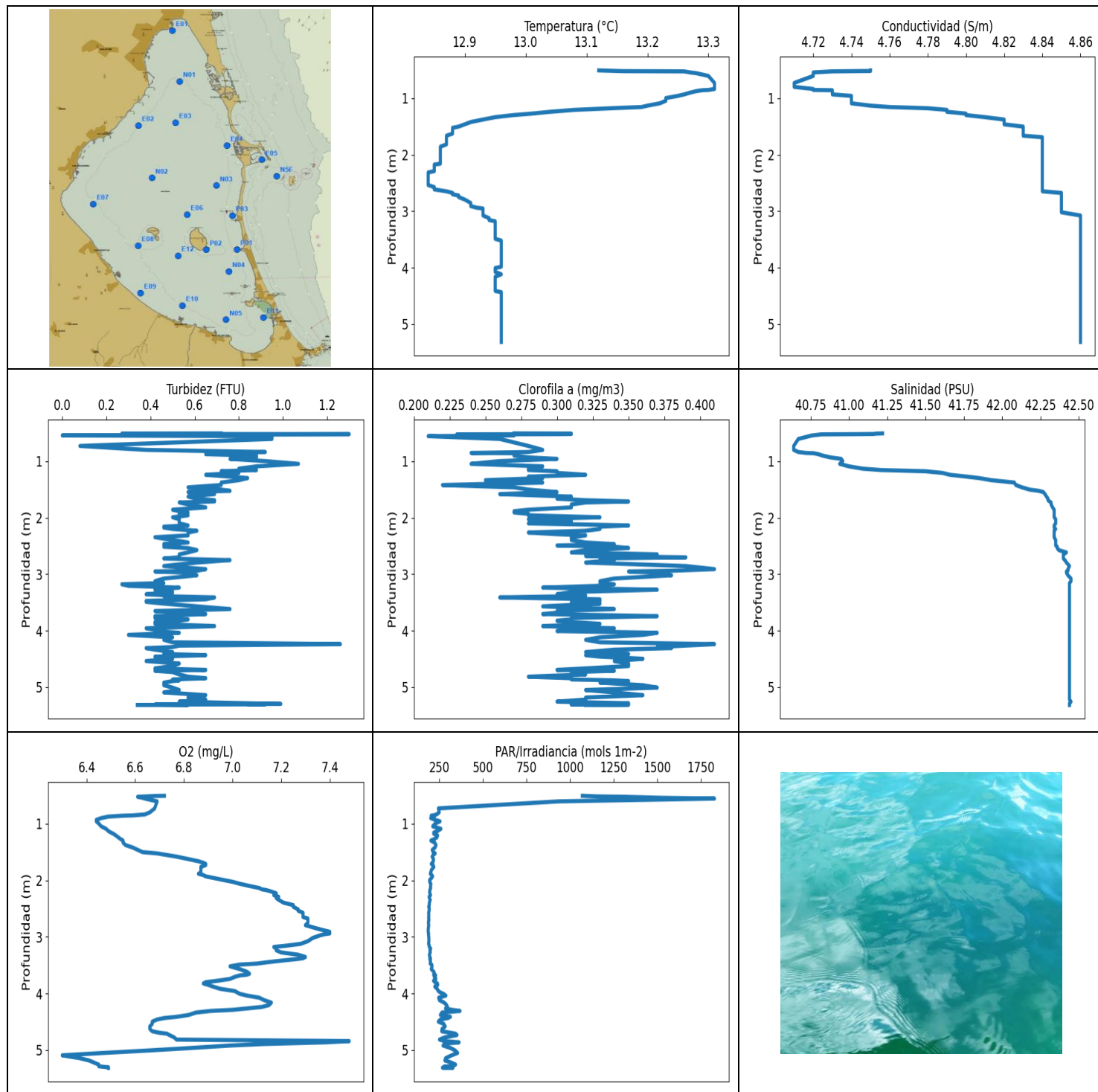
OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.452	12.34	4.75	0.11	6.74	1039.2	0.73	42.06
0.477	12.34	4.75	0.11	6.71	1027.9	0.72	42.06
0.49	12.34	4.75	0.08	6.69	1027.0	0.75	42.06
0.496	12.34	4.75	0.15	6.75	1016.5	0.66	42.06
0.501	12.34	4.75	0.11	6.76	1017.5	0.54	42.06
0.511	12.34	4.75	0.19	6.77	1004.4	0.47	42.06
0.514	12.34	4.75	0.19	6.83	1013.5	0.64	42.06
0.518	12.34	4.75	0.15	6.84	1007.4	0.67	42.06
0.52	12.34	4.75	0.19	6.89	989.12	0.27	42.06
0.529	12.34	4.75	0.04	6.86	984.09	0.18	42.06
0.545	12.34	4.75	0.11	6.82	980.0	0.26	42.06
0.563	12.34	4.75	0.15	6.76	957.99	0.14	42.06
0.6	12.33	4.75	0.15	6.7	964.23	0.13	42.06
0.723	12.33	4.75	0.0	6.56	263.32	0.13	42.06
0.798	12.33	4.75	0.15	6.5	248.44	0.12	42.06
0.862	12.33	4.75	0.53	6.47	241.46	0.13	42.06
0.915	12.34	4.75	0.57	6.43	221.26	0.16	42.06
0.966	12.34	4.75	0.69	6.4	212.81	0.16	42.06
1.005	12.34	4.7	0.5	6.39	210.35	0.16	41.57
1.026	12.34	4.72	0.57	6.36	203.07	0.17	41.77
1.046	12.34	4.75	0.46	6.33	205.92	0.18	42.06
1.076	12.34	4.75	0.42	6.32	209.14	0.13	42.06
1.121	12.34	4.75	0.65	6.32	215.04	0.16	42.06
1.169	12.34	4.75	0.57	6.33	234.13	0.13	42.06
1.208	12.34	4.75	0.65	6.34	210.35	0.15	42.06
1.253	12.34	4.75	0.5	6.34	191.6	0.15	42.06
1.301	12.34	4.75	0.57	6.37	208.51	0.17	42.06
1.337	12.34	4.75	0.57	6.38	214.69	0.15	42.06
1.364	12.34	4.75	0.57	6.41	213.84	0.16	42.06
1.394	12.34	4.75	0.53	6.43	200.97	0.15	42.06
1.44	12.34	4.75	0.5	6.48	191.11	0.17	42.06
1.492	12.34	4.75	0.69	6.52	194.46	0.17	42.06
1.531	12.34	4.75	0.76	6.58	200.92	0.16	42.06
1.553	12.34	4.75	0.5	6.62	200.97	0.18	42.06
1.573	12.34	4.75	0.46	6.67	190.31	0.17	42.06

1.615	12.33	4.75	0.57	6.71	184.88	0.2	42.06
1.666	12.34	4.75	0.5	6.75	184.02	0.19	42.06
1.716	12.34	4.75	0.5	6.77	184.75	0.15	42.06
1.757	12.33	4.75	0.5	6.79	182.83	0.17	42.06
1.777	12.34	4.75	0.57	6.8	182.62	0.17	42.06
1.783	12.34	4.75	0.57	6.8	181.78	0.2	42.06
1.798	12.34	4.75	0.69	6.83	184.41	0.17	42.06
1.828	12.34	4.75	0.53	6.86	179.76	0.2	42.06
1.859	12.34	4.75	0.69	6.87	175.77	0.19	42.06
1.895	12.34	4.75	0.57	6.89	174.23	0.18	42.06
1.948	12.34	4.75	0.53	6.91	174.83	0.2	42.06
2.004	12.34	4.75	0.46	6.93	174.07	0.17	42.06
2.05	12.34	4.75	0.65	6.95	170.63	0.21	42.06
2.091	12.34	4.75	0.61	6.97	169.17	0.2	42.06
2.14	12.34	4.75	0.57	7.01	176.54	0.19	42.06
2.191	12.34	4.75	0.57	7.03	170.47	0.17	42.06
2.241	12.34	4.75	0.46	7.07	171.3	0.19	42.06
2.287	12.34	4.75	0.57	7.11	168.35	0.18	42.06
2.31	12.34	4.75	0.57	7.1	166.6	0.19	42.06
2.317	12.34	4.75	0.53	7.1	171.82	0.2	42.06
2.348	12.34	4.75	0.5	7.09	170.87	0.19	42.06
2.408	12.34	4.75	0.57	7.13	163.81	0.24	42.06
2.467	12.34	4.75	0.42	7.13	163.24	0.2	42.06
2.511	12.34	4.75	0.65	7.15	163.73	0.22	42.06
2.537	12.34	4.75	0.65	7.13	158.18	0.19	42.06
2.565	12.34	4.75	0.57	7.13	161.17	0.22	42.07
2.611	12.34	4.75	0.65	7.19	158.98	0.24	42.07
2.675	12.34	4.75	0.5	7.26	156.5	0.21	42.07
2.734	12.35	4.75	0.46	7.27	154.73	0.14	42.09
2.779	12.36	4.76	0.53	7.27	151.57	0.4	42.13
2.815	12.38	4.77	0.61	7.29	150.1	0.69	42.21
2.865	12.41	4.78	0.65	7.36	150.98	0.73	42.26
2.923	12.45	4.78	0.65	7.47	150.84	0.66	42.22
2.964	12.48	4.77	0.46	7.51	146.97	0.72	42.15
2.993	12.5	4.78	0.53	7.51	146.46	0.71	42.13
3.03	12.51	4.78	0.65	7.54	144.97	0.68	42.14
3.074	12.52	4.78	0.76	7.59	143.94	0.65	42.15
3.117	12.54	4.78	0.72	7.6	145.01	0.6	42.13
3.159	12.56	4.78	0.72	7.6	143.87	0.7	42.12
3.206	12.58	4.78	0.5	7.55	142.54	0.71	42.12
3.251	12.6	4.79	0.72	7.52	140.57	0.85	42.13
3.296	12.61	4.79	0.61	7.48	138.02	0.97	42.12
3.336	12.62	4.79	0.57	7.41	139.18	0.94	42.1
3.374	12.63	4.79	0.61	7.28	142.31	0.76	42.12
3.405	12.63	4.8	0.61	7.18	140.22	0.77	42.18
3.45	12.65	4.8	0.5	7.1	137.39	0.74	42.2
3.5	12.66	4.8	0.61	7.01	137.99	0.76	42.17
3.531	12.67	4.79	0.57	6.92	137.99	0.76	42.1
3.543	12.68	4.8	0.69	6.84	138.57	0.75	42.15
3.567	12.69	4.81	0.72	6.78	137.32	0.76	42.24
3.609	12.71	4.81	0.65	6.73	135.93	0.8	42.25
3.646	12.72	4.81	0.65	6.68	136.21	0.94	42.25
3.676	12.72	4.81	0.53	6.65	134.99	0.9	42.24
3.712	12.73	4.82	0.57	6.64	132.54	0.77	42.28
3.755	12.74	4.82	0.57	6.61	133.77	0.81	42.29
3.796	12.74	4.82	0.61	6.61	132.78	0.82	42.31
3.841	12.75	4.82	0.53	6.69	132.48	0.9	42.33
3.888	12.75	4.83	0.53	6.79	129.44	0.82	42.34

3.928	12.76	4.83	0.53	6.86	130.89	0.75	42.36
3.965	12.76	4.83	0.65	6.9	130.92	0.72	42.37
4.0	12.76	4.83	0.69	6.89	129.02	0.76	42.39
4.038	12.77	4.83	0.53	6.9	128.04	0.75	42.41
4.076	12.77	4.83	0.57	6.9	127.42	0.8	42.41
4.116	12.77	4.84	0.72	6.89	127.27	0.73	42.43
4.159	12.77	4.84	0.72	6.85	127.48	0.74	42.44
4.203	12.77	4.84	0.61	6.81	126.74	0.78	42.45
4.239	12.77	4.84	0.65	6.79	125.69	0.76	42.46
4.266	12.77	4.84	0.72	6.77	123.89	0.77	42.47
4.295	12.77	4.84	0.69	6.76	123.78	0.84	42.49
4.34	12.77	4.84	0.65	6.77	124.15	0.79	42.49
4.39	12.78	4.84	0.5	6.79	123.52	0.82	42.5
4.427	12.78	4.85	0.84	6.83	122.07	0.76	42.52
4.461	12.78	4.85	0.61	6.86	121.53	0.82	42.53
4.507	12.78	4.85	0.65	6.89	120.02	0.86	42.53
4.562	12.78	4.85	0.57	7.77	119.41	0.8	42.54
4.609	12.78	4.85	0.69	7.71	119.35	0.85	42.55
4.63	12.78	4.85	0.53	7.57	119.8	0.86	42.56
4.641	12.78	4.85	0.57	7.43	117.95	0.81	42.57
4.675	12.78	4.85	0.46	7.26	116.86	0.84	42.57
4.725	12.79	4.85	0.61	7.06	117.62	0.83	42.57
4.754	12.79	4.85	0.61	6.84	117.49	0.9	42.58
4.766	12.79	4.85	0.69	6.6	117.24	0.88	42.58
4.794	12.79	4.85	0.69	6.37	114.82	0.9	42.59
4.836	12.79	4.86	0.65	6.43	114.03	0.85	42.6
4.88	12.79	4.86	0.5	6.46	113.21	0.82	42.61
4.921	12.79	4.86	0.61	6.46	113.4	0.81	42.63
4.955	12.8	4.86	0.57	6.46	113.53	0.79	42.67
4.978	12.82	4.87	0.61	6.46	112.45	0.73	42.66
5.004	12.83	4.87	0.69	6.46	111.16	0.68	42.65
5.048	12.84	4.87	0.57	6.46	110.57	0.67	42.65
5.095	12.84	4.87	0.76	6.46	110.28	0.64	42.65
5.138	12.84	4.87	0.8	6.46	109.27	0.61	42.65
5.188	12.85	4.87	0.61	6.44	107.46	0.6	42.65
5.241	12.85	4.87	0.61	6.42	107.14	0.59	42.65
5.278	12.85	4.87	0.65	6.38	106.37	0.61	42.65
5.303	12.85	4.87	0.46	6.33	106.29	0.57	42.65
5.344	12.85	4.87	0.53	6.28	105.31	0.52	42.65
5.395	12.85	4.87	0.46	6.24	104.1	0.5	42.65
5.445	12.85	4.87	0.65	6.2	103.69	0.53	42.65
5.492	12.85	4.87	0.53	6.17	103.33	0.48	42.65
5.536	12.85	4.87	0.46	6.12	102.09	0.49	42.65
5.58	12.85	4.87	0.61	6.1	101.06	0.43	42.65
5.629	12.85	4.87	0.46	6.09	99.34	0.47	42.65
5.682	12.85	4.87	0.65	6.08	99.55	0.43	42.65
5.732	12.85	4.87	0.61	6.06	98.35	0.42	42.65
5.765	12.85	4.87	0.46	6.05	97.51	0.39	42.65
5.795	12.85	4.87	0.57	6.04	96.79	0.4	42.65
5.839	12.85	4.87	0.57	6.03	96.52	0.39	42.65
5.884	12.85	4.87	0.53	6.03	95.21	0.36	42.65
5.932	12.85	4.87	0.57	6.03	94.77	0.38	42.65
5.969	12.85	4.87	0.57	6.03	94.05	0.35	42.65
6.004	12.85	4.87	0.5	6.03	93.12	0.37	42.65
6.053	12.85	4.87	0.42	6.03	92.37	0.33	42.65
6.107	12.85	4.87	0.5	6.03	91.43	0.34	42.65
6.152	12.85	4.87	0.69	6.03	90.8	0.3	42.65
6.191	12.85	4.87	0.53	6.03	90.65	0.34	42.65

6.229	12.85	4.87	0.42	6.02	89.9	0.32	42.65
6.262	12.85	4.87	0.65	6.02	88.63	0.34	42.65
6.297	12.85	4.87	0.61	6.02	87.12	0.38	42.65
6.319	12.85	4.87	0.53	6.02	87.59	0.36	42.65
6.329	12.85	4.87	0.61	6.01	87.57	0.36	42.65
6.331	12.85	4.87	0.5	6.01	87.29	0.38	42.65
6.332	12.85	4.87	0.42	6.01	87.08	0.38	42.65
6.333	12.85	4.87	0.53	6.0	87.15	0.36	42.65
6.335	12.85	4.87	0.34	6.01	87.82	0.34	42.65



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/m ³)	Salinidad (PSU)
MÍNIMO	12.84	4.71	0.0	6.3	185.87	0.21	40.64
PROF (metros)	2.312	0.728	0.542	5.091	2.909	0.555	0.728
MÁXIMO	13.31	13.31	1.3	7.48	1827.2	0.41	42.45
PROF (metros)	0.728	3.075	0.519	4.84	0.555	2.909	3.075

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	13.25	4.73	0.75	6.59	638.83	0.27	40.86
1 - 2m	12.95	4.81	0.68	6.7	216.58	0.29	42.0
2 - 3m	12.87	4.84	0.54	7.24	192.03	0.33	42.37
3 - 4m	12.95	4.86	0.49	7.1	211.32	0.32	42.44
4 - 5m	12.96	4.86	0.51	6.92	289.51	0.34	42.44
5 - 6m	12.96	4.86	0.62	6.46	308.66	0.33	42.44

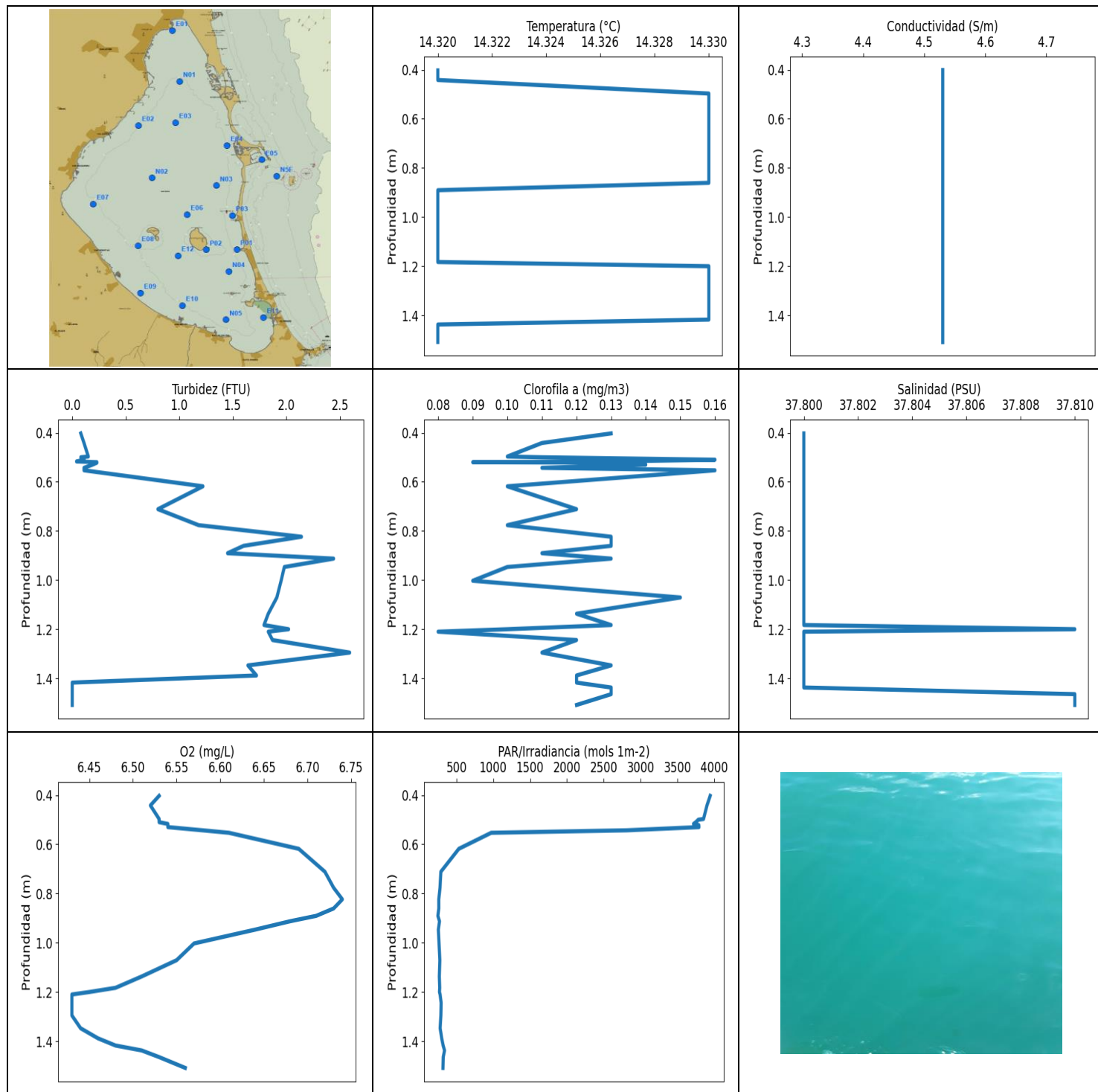
OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.506	13.12	4.75	0.72	6.72	1069.5	0.27	41.22
0.509	13.13	4.75	0.27	6.68	1091.8	0.31	41.18
0.516	13.15	4.75	0.57	6.65	1148.4	0.31	41.16
0.519	13.16	4.74	1.3	6.63	1202.0	0.3	41.05
0.523	13.26	4.73	1.03	6.61	1310.5	0.23	40.82
0.542	13.27	4.72	0.0	6.63	1525.0	0.27	40.76
0.555	13.28	4.72	0.95	6.64	1827.2	0.21	40.74
0.604	13.3	4.72	0.95	6.69	936.26	0.26	40.67
0.728	13.31	4.71	0.08	6.68	244.78	0.28	40.64
0.798	13.31	4.71	0.38	6.66	249.13	0.29	40.64
0.835	13.31	4.72	0.92	6.64	234.56	0.28	40.67
0.852	13.3	4.72	0.76	6.59	215.49	0.24	40.72
0.857	13.29	4.73	0.76	6.55	202.88	0.27	40.77
0.873	13.28	4.73	0.65	6.49	220.85	0.27	40.8
0.9	13.27	4.73	0.88	6.46	200.5	0.27	40.83
0.931	13.26	4.73	0.88	6.44	225.97	0.28	40.88
0.957	13.25	4.74	0.76	6.44	253.74	0.3	40.95
0.996	13.23	4.74	0.92	6.45	226.6	0.26	40.96
1.045	13.23	4.74	1.07	6.46	212.02	0.24	40.94
1.089	13.22	4.74	0.88	6.48	258.73	0.29	41.0
1.13	13.2	4.75	0.8	6.49	238.84	0.28	41.09
1.155	13.19	4.76	0.88	6.5	217.75	0.28	41.21
1.176	13.14	4.78	0.72	6.51	218.0	0.3	41.5
1.205	13.08	4.79	0.8	6.52	239.84	0.3	41.61
1.239	13.04	4.79	0.65	6.53	236.2	0.32	41.66
1.271	13.01	4.8	0.76	6.54	221.05	0.28	41.77
1.297	12.98	4.8	0.84	6.55	201.43	0.29	41.85
1.334	12.95	4.81	0.8	6.55	223.06	0.25	41.93
1.376	12.93	4.82	0.72	6.56	230.74	0.29	42.08
1.42	12.91	4.82	0.72	6.59	224.87	0.22	42.09
1.461	12.9	4.82	0.57	6.61	209.33	0.27	42.13
1.501	12.89	4.83	0.72	6.63	215.09	0.28	42.18
1.523	12.88	4.83	0.76	6.69	226.08	0.29	42.24
1.545	12.88	4.83	0.57	6.72	217.19	0.3	42.27
1.58	12.88	4.83	0.69	6.77	208.36	0.26	42.28
1.625	12.88	4.83	0.57	6.82	216.64	0.31	42.29

1.662	12.87	4.83	0.61	6.86	215.14	0.3	42.3
1.689	12.87	4.84	0.69	6.88	209.92	0.32	42.3
1.71	12.87	4.84	0.69	6.89	203.54	0.35	42.31
1.729	12.87	4.84	0.53	6.89	214.24	0.32	42.32
1.763	12.87	4.84	0.57	6.87	218.15	0.31	42.32
1.816	12.87	4.84	0.65	6.87	204.35	0.31	42.33
1.857	12.86	4.84	0.5	6.87	200.83	0.28	42.34
1.883	12.86	4.84	0.53	6.86	198.19	0.27	42.34
1.906	12.86	4.84	0.57	6.88	206.49	0.27	42.34
1.929	12.86	4.84	0.53	6.89	211.33	0.28	42.34
1.956	12.86	4.84	0.57	6.92	205.3	0.28	42.34
1.991	12.86	4.84	0.5	6.96	194.73	0.33	42.34
2.025	12.86	4.84	0.53	7.0	194.32	0.28	42.35
2.06	12.86	4.84	0.53	7.03	201.24	0.31	42.35
2.099	12.86	4.84	0.53	7.07	199.34	0.28	42.35
2.135	12.86	4.84	0.57	7.11	200.13	0.35	42.34
2.157	12.86	4.84	0.46	7.12	196.91	0.33	42.34
2.173	12.85	4.84	0.46	7.14	196.18	0.33	42.34
2.198	12.85	4.84	0.5	7.16	194.5	0.33	42.35
2.229	12.85	4.84	0.61	7.18	195.32	0.32	42.34
2.261	12.85	4.84	0.57	7.17	199.2	0.28	42.34
2.29	12.85	4.84	0.57	7.19	191.33	0.3	42.34
2.312	12.84	4.84	0.57	7.18	193.11	0.32	42.34
2.344	12.84	4.84	0.42	7.19	197.41	0.31	42.34
2.394	12.84	4.84	0.5	7.21	192.8	0.31	42.35
2.437	12.84	4.84	0.57	7.25	192.22	0.32	42.35
2.467	12.84	4.84	0.46	7.25	188.73	0.34	42.35
2.49	12.84	4.84	0.53	7.26	192.08	0.3	42.35
2.512	12.84	4.84	0.46	7.27	191.95	0.34	42.36
2.536	12.84	4.84	0.57	7.27	190.93	0.35	42.36
2.572	12.85	4.84	0.61	7.29	188.69	0.32	42.37
2.613	12.85	4.84	0.57	7.29	189.3	0.31	42.42
2.647	12.87	4.84	0.53	7.29	188.64	0.37	42.4
2.675	12.88	4.85	0.53	7.31	188.99	0.32	42.4
2.7	12.88	4.85	0.53	7.31	190.18	0.39	42.4
2.721	12.89	4.85	0.46	7.31	187.94	0.33	42.4
2.749	12.89	4.85	0.76	7.31	187.34	0.34	42.41
2.792	12.9	4.85	0.61	7.3	188.6	0.32	42.42
2.854	12.91	4.85	0.46	7.35	186.47	0.39	42.44
2.909	12.91	4.85	0.65	7.4	185.87	0.41	42.43
2.938	12.92	4.85	0.61	7.4	188.34	0.38	42.43
2.95	12.93	4.85	0.42	7.38	187.08	0.35	42.42
2.972	12.93	4.85	0.57	7.36	187.86	0.37	42.42
3.018	12.93	4.85	0.61	7.33	189.7	0.38	42.43
3.075	12.93	4.86	0.46	7.31	189.87	0.34	42.45
3.122	12.94	4.86	0.42	7.28	188.16	0.33	42.45
3.155	12.94	4.86	0.46	7.22	192.13	0.33	42.44
3.177	12.95	4.86	0.27	7.17	192.4	0.34	42.44
3.204	12.95	4.86	0.3	7.18	200.22	0.33	42.44
3.236	12.95	4.86	0.53	7.18	195.95	0.29	42.44
3.273	12.95	4.86	0.42	7.2	197.69	0.37	42.44
3.314	12.95	4.86	0.5	7.27	192.89	0.31	42.44
3.354	12.95	4.86	0.38	7.3	195.72	0.3	42.44
3.376	12.95	4.86	0.5	7.29	198.97	0.32	42.44
3.388	12.95	4.86	0.46	7.27	195.23	0.31	42.44
3.41	12.95	4.86	0.69	7.22	198.56	0.26	42.44
3.443	12.95	4.86	0.65	7.15	198.56	0.33	42.44
3.471	12.95	4.86	0.38	7.1	197.55	0.33	42.44

3.488	12.95	4.86	0.38	7.03	206.06	0.31	42.44
3.519	12.96	4.86	0.46	6.99	207.93	0.33	42.44
3.568	12.96	4.86	0.61	7.03	203.54	0.29	42.44
3.616	12.96	4.86	0.76	7.06	218.6	0.34	42.44
3.65	12.96	4.86	0.42	7.07	222.23	0.3	42.44
3.666	12.96	4.86	0.5	7.06	217.09	0.3	42.44
3.68	12.96	4.86	0.53	7.03	228.87	0.3	42.44
3.704	12.96	4.86	0.65	7.01	220.69	0.29	42.44
3.741	12.96	4.86	0.42	6.99	229.77	0.37	42.44
3.773	12.96	4.86	0.42	6.94	216.59	0.31	42.44
3.799	12.96	4.86	0.57	6.89	225.03	0.31	42.44
3.821	12.96	4.86	0.53	6.88	238.95	0.3	42.44
3.846	12.96	4.86	0.42	6.9	240.73	0.31	42.44
3.877	12.96	4.86	0.42	6.92	223.78	0.33	42.44
3.917	12.96	4.86	0.69	6.95	237.52	0.29	42.44
3.956	12.96	4.86	0.38	7.01	244.44	0.34	42.44
3.982	12.96	4.86	0.42	7.02	256.81	0.31	42.44
4.005	12.95	4.86	0.42	7.03	273.4	0.3	42.44
4.036	12.95	4.86	0.53	7.06	287.37	0.37	42.44
4.073	12.95	4.86	0.3	7.11	245.98	0.36	42.44
4.116	12.96	4.86	0.5	7.13	250.35	0.33	42.44
4.16	12.95	4.86	0.46	7.16	277.55	0.32	42.44
4.204	12.95	4.86	0.5	7.15	291.93	0.33	42.44
4.237	12.95	4.86	1.26	7.12	296.09	0.41	42.44
4.263	12.95	4.86	0.53	7.06	285.44	0.39	42.44
4.288	12.95	4.86	0.5	7.0	321.56	0.37	42.44
4.307	12.95	4.86	0.38	6.91	368.42	0.38	42.44
4.335	12.95	4.86	0.42	6.85	265.22	0.34	42.44
4.378	12.95	4.86	0.5	6.82	255.74	0.32	42.44
4.411	12.95	4.86	0.46	6.77	313.39	0.35	42.44
4.432	12.96	4.86	0.65	6.72	299.12	0.32	42.44
4.458	12.96	4.86	0.42	6.69	256.1	0.33	42.44
4.496	12.96	4.86	0.5	6.67	243.93	0.36	42.44
4.536	12.96	4.86	0.38	6.67	275.11	0.34	42.44
4.58	12.96	4.86	0.53	6.66	283.66	0.35	42.44
4.625	12.96	4.86	0.5	6.66	265.47	0.35	42.44
4.666	12.96	4.86	0.42	6.67	263.63	0.32	42.44
4.693	12.96	4.86	0.65	6.7	315.14	0.3	42.44
4.708	12.96	4.86	0.42	6.73	342.0	0.34	42.44
4.732	12.96	4.86	0.5	6.74	351.16	0.31	42.44
4.774	12.96	4.86	0.53	6.76	280.85	0.32	42.44
4.813	12.96	4.86	0.57	6.77	250.64	0.28	42.44
4.84	12.96	4.86	0.65	7.48	281.7	0.31	42.44
4.862	12.96	4.86	0.5	7.38	362.91	0.31	42.44
4.878	12.96	4.86	0.53	7.24	305.36	0.34	42.44
4.891	12.96	4.86	0.5	7.13	278.71	0.35	42.44
4.918	12.96	4.86	0.46	6.99	270.94	0.33	42.44
4.964	12.96	4.86	0.46	6.82	315.8	0.36	42.44
5.007	12.96	4.86	0.5	6.65	341.05	0.37	42.44
5.049	12.96	4.86	0.53	6.47	354.76	0.32	42.44
5.091	12.96	4.86	0.46	6.3	320.37	0.34	42.44
5.14	12.96	4.86	0.65	6.37	286.5	0.36	42.44
5.182	12.96	4.86	0.57	6.41	281.63	0.32	42.44
5.218	12.96	4.86	0.65	6.43	317.34	0.32	42.44
5.255	12.96	4.86	0.53	6.45	343.04	0.3	42.45
5.284	12.96	4.86	0.84	6.45	305.08	0.35	42.44
5.295	12.96	4.86	0.99	6.47	274.67	0.34	42.44
5.298	12.96	4.86	0.84	6.48	306.92	0.31	42.44

5.302	12.96	4.86	0.92	6.49	329.4	0.34	42.44
5.306	12.96	4.86	0.42	6.49	295.75	0.31	42.44
5.31	12.96	4.86	0.5	6.49	267.75	0.35	42.44
5.313	12.96	4.86	0.57	6.49	283.07	0.34	42.44
5.314	12.96	4.86	0.34	6.49	322.53	0.32	42.44



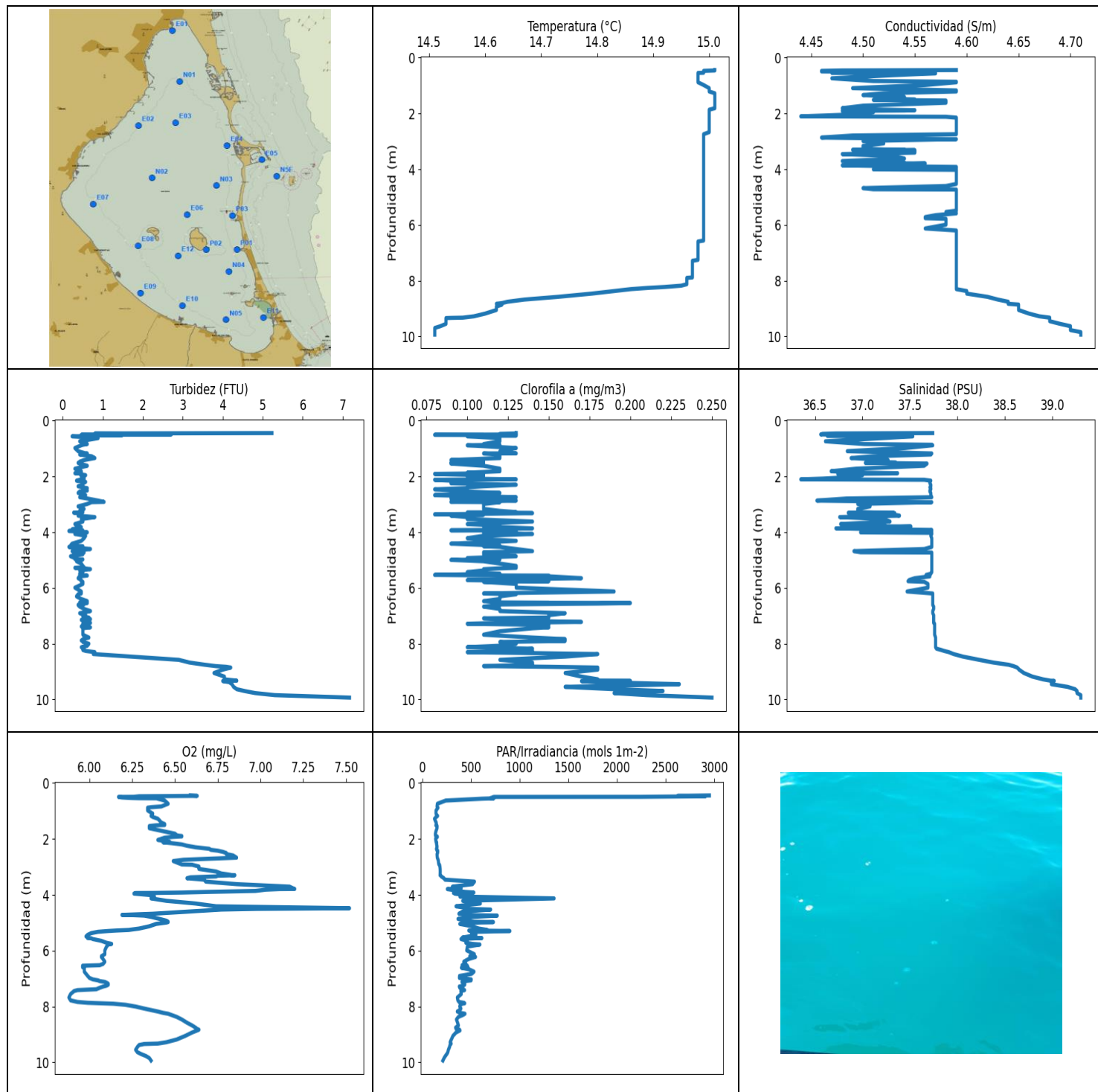
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m ³)	Salinidad (PSU)
MÍNIMO	14.32	4.53	0.0	6.43	247.58	0.08	37.8
PROF (metros)	0.403	0.403	1.416	1.209	0.89	1.209	0.403
MÁXIMO	14.33	14.33	2.59	6.74	3944.4	0.16	37.81
PROF (metros)	0.497	0.403	1.294	0.823	0.403	0.51	1.199

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	14.33	4.53	0.75	6.61	2129.38	0.12	37.8
1 - 2m	14.33	4.53	1.92	6.48	278.09	0.12	37.8

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)
0.403	14.32	4.53	0.08	6.53	3944.4	0.13	37.8
0.442	14.32	4.53	0.11	6.52	3900.8	0.11	37.8
0.497	14.33	4.53	0.15	6.53	3854.0	0.1	37.8
0.5	14.33	4.53	0.08	6.53	3783.2	0.11	37.8
0.51	14.33	4.53	0.11	6.53	3749.2	0.16	37.8
0.517	14.33	4.53	0.04	6.54	3718.0	0.13	37.8
0.52	14.33	4.53	0.23	6.54	3759.6	0.09	37.8
0.522	14.33	4.53	0.23	6.54	3790.3	0.13	37.8
0.53	14.33	4.53	0.19	6.54	3792.0	0.14	37.8
0.543	14.33	4.53	0.11	6.58	2808.1	0.11	37.8
0.553	14.33	4.53	0.11	6.61	971.63	0.16	37.8
0.618	14.33	4.53	1.22	6.69	531.72	0.1	37.8
0.711	14.33	4.53	0.8	6.72	288.03	0.12	37.8
0.776	14.33	4.53	1.18	6.73	276.52	0.1	37.8
0.823	14.33	4.53	2.14	6.74	259.81	0.13	37.8
0.86	14.33	4.53	1.6	6.73	259.99	0.13	37.8
0.89	14.32	4.53	1.45	6.71	247.58	0.11	37.8
0.912	14.32	4.53	2.44	6.68	269.44	0.13	37.8
0.946	14.32	4.53	1.98	6.64	253.97	0.1	37.8
1.002	14.32	4.53	1.95	6.57	263.26	0.09	37.8
1.07	14.32	4.53	1.91	6.55	274.03	0.15	37.8
1.136	14.32	4.53	1.83	6.51	267.07	0.12	37.8
1.182	14.32	4.53	1.79	6.48	272.26	0.13	37.8
1.199	14.33	4.53	2.02	6.45	268.94	0.1	37.81
1.209	14.33	4.53	1.83	6.43	277.81	0.08	37.8
1.243	14.33	4.53	1.87	6.43	291.66	0.12	37.8
1.294	14.33	4.53	2.59	6.43	288.1	0.11	37.8
1.346	14.33	4.53	1.64	6.44	278.26	0.13	37.8
1.387	14.33	4.53	1.72	6.46	299.54	0.12	37.8
1.416	14.33	4.53	0.0	6.48	318.81	0.12	37.8
1.436	14.32	4.53	0.0	6.51	337.83	0.13	37.8
1.463	14.32	4.53	0.0	6.53	320.37	0.13	37.81
1.507	14.32	4.53	0.0	6.56	316.75	0.12	37.81



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	14.51	4.44	0.15	5.88	126.83	0.08	36.35
PROF (metros)	9.693	2.103	3.954	7.674	1.275	0.504	2.103
MÁXIMO	15.01	15.01	7.17	7.52	2950.2	0.25	39.3
PROF (metros)	0.442	9.842	9.931	4.478	0.442	9.931	9.842

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	14.99	4.5	1.18	6.35	967.34	0.12	36.96
1 - 2m	15.0	4.53	0.49	6.43	144.26	0.11	37.19
2 - 3m	15.0	4.56	0.55	6.61	156.23	0.1	37.42
3 - 4m	14.99	4.53	0.4	6.76	293.83	0.11	37.21
4 - 5m	14.99	4.58	0.4	6.51	543.64	0.12	37.61
5 - 6m	14.99	4.58	0.46	6.11	526.52	0.12	37.68
6 - 7m	14.99	4.59	0.48	6.01	457.92	0.14	37.73
7 - 8m	14.97	4.59	0.55	6.04	416.4	0.14	37.76
8 - 9m	14.78	4.61	2.11	6.52	377.72	0.14	38.17
9 - 10m	14.54	4.68	4.5	6.36	272.34	0.19	39.06

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)
0.442	15.01	4.59	5.23	6.59	2950.2	0.13	37.74
0.457	15.01	4.48	0.8	6.63	2624.4	0.13	36.72
0.471	14.99	4.46	2.67	6.29	2909.5	0.12	36.58
0.491	14.99	4.46	1.49	6.26	2245.3	0.12	36.56
0.494	14.99	4.47	2.71	6.17	737.59	0.13	36.63
0.504	14.99	4.47	0.46	6.18	725.72	0.08	36.63
0.514	14.99	4.47	1.49	6.19	728.42	0.11	36.63
0.525	14.99	4.47	0.61	6.22	721.03	0.11	36.63
0.533	14.99	4.47	0.65	6.25	704.35	0.13	36.63
0.54	14.99	4.47	0.8	6.29	702.55	0.11	36.63
0.545	14.98	4.47	0.88	6.42	735.89	0.12	36.63
0.558	14.98	4.57	0.23	6.4	616.32	0.1	37.53
0.624	14.98	4.53	0.88	6.44	242.02	0.12	37.21
0.738	14.98	4.47	0.42	6.46	156.17	0.12	36.61
0.836	14.98	4.51	0.61	6.42	153.02	0.11	37.02
0.862	14.98	4.59	0.5	6.36	154.66	0.12	37.73
0.88	14.98	4.59	0.46	6.34	162.37	0.1	37.74
0.979	14.99	4.56	0.3	6.34	142.54	0.13	37.45
1.091	15.0	4.49	0.38	6.37	142.01	0.12	36.84
1.171	15.0	4.59	0.57	6.36	152.45	0.13	37.72
1.173	15.0	4.59	0.61	6.36	158.76	0.11	37.73
1.211	15.0	4.59	0.42	6.37	144.81	0.12	37.72
1.275	15.01	4.52	0.72	6.4	126.83	0.12	37.11
1.339	15.01	4.5	0.8	6.41	133.55	0.12	36.88
1.411	15.01	4.54	0.53	6.42	144.27	0.09	37.27
1.467	15.01	4.52	0.42	6.44	144.1	0.11	37.07
1.5	15.01	4.55	0.42	6.44	147.93	0.09	37.35
1.511	15.01	4.51	0.38	6.39	140.51	0.11	37.03
1.536	15.01	4.58	0.42	6.35	153.09	0.09	37.68
1.615	15.01	4.58	0.61	6.35	152.03	0.11	37.65
1.721	15.01	4.5	0.3	6.43	141.46	0.12	36.93
1.811	15.01	4.48	0.46	6.5	136.12	0.12	36.67

1.863	15.0	4.52	0.46	6.51	135.9	0.1	37.05
1.882	15.0	4.55	0.3	6.52	140.64	0.11	37.37
1.894	15.0	4.54	0.46	6.54	140.77	0.1	37.28
1.908	15.0	4.48	0.42	6.54	154.52	0.08	36.74
1.925	15.0	4.51	0.46	6.49	156.35	0.09	37.0
1.953	15.0	4.51	0.57	6.44	145.55	0.11	37.0
1.993	15.0	4.5	0.46	6.42	137.9	0.1	36.89
2.034	15.0	4.49	0.53	6.4	139.47	0.11	36.81
2.075	15.0	4.46	0.46	6.44	140.67	0.1	36.58
2.103	15.0	4.44	0.53	6.47	142.51	0.13	36.35
2.118	15.0	4.58	0.42	6.43	148.27	0.08	37.65
2.149	15.0	4.59	0.34	6.48	148.55	0.09	37.72
2.194	15.0	4.59	0.57	6.54	147.82	0.1	37.71
2.242	15.0	4.59	0.5	6.57	151.26	0.09	37.71
2.296	15.0	4.59	0.5	6.62	152.35	0.13	37.72
2.351	15.0	4.59	0.38	6.7	146.49	0.11	37.72
2.389	15.0	4.59	0.5	6.71	149.37	0.1	37.71
2.419	15.0	4.59	0.61	6.75	159.43	0.1	37.72
2.46	15.0	4.59	0.5	6.78	159.91	0.08	37.72
2.503	15.0	4.59	0.61	6.8	158.1	0.09	37.71
2.54	15.0	4.59	0.42	6.8	153.05	0.1	37.71
2.59	15.0	4.59	0.38	6.84	153.69	0.12	37.72
2.669	15.0	4.59	0.57	6.86	155.38	0.08	37.72
2.743	14.99	4.59	0.42	6.55	163.66	0.13	37.73
2.79	14.99	4.49	0.61	6.49	166.49	0.09	36.83
2.864	14.99	4.46	0.88	6.52	168.66	0.13	36.52
2.911	14.99	4.57	1.03	6.54	171.38	0.09	37.59
2.921	14.99	4.59	0.72	6.6	178.52	0.12	37.73
2.985	14.99	4.5	0.61	6.64	181.94	0.11	36.95
3.072	14.99	4.52	0.38	6.64	184.66	0.11	37.08
3.163	14.99	4.5	0.53	6.74	185.39	0.11	36.95
3.233	14.99	4.5	0.42	6.77	185.18	0.12	36.95
3.278	14.99	4.51	0.5	6.82	184.58	0.13	36.98
3.292	14.99	4.52	0.38	6.83	184.15	0.1	37.12
3.296	14.99	4.54	0.27	6.85	183.85	0.11	37.32
3.302	14.99	4.49	0.46	6.82	185.87	0.13	36.85
3.314	14.99	4.55	0.38	6.75	190.67	0.14	37.34
3.339	14.99	4.51	0.38	6.74	196.41	0.11	37.03
3.358	14.99	4.5	0.38	6.65	203.97	0.08	36.94
3.372	14.99	4.55	0.42	6.59	208.46	0.11	37.34
3.404	14.99	4.55	0.38	6.57	222.85	0.09	37.39
3.456	14.99	4.48	0.8	6.67	234.67	0.1	36.76
3.526	14.99	4.53	0.46	6.68	537.17	0.1	37.23
3.616	14.99	4.54	0.5	6.86	516.78	0.14	37.29
3.706	14.99	4.48	0.3	7.17	310.57	0.1	36.77
3.766	14.99	4.54	0.38	7.19	399.55	0.12	37.24
3.788	14.99	4.53	0.34	7.2	275.24	0.11	37.17
3.792	14.99	4.56	0.42	7.11	258.25	0.11	37.51
3.814	14.99	4.54	0.46	7.03	295.88	0.12	37.31
3.859	14.99	4.48	0.34	6.97	361.48	0.14	36.72
3.894	14.99	4.53	0.23	6.69	439.79	0.12	37.19
3.917	14.99	4.59	0.46	6.54	530.99	0.13	37.73
3.931	14.99	4.59	0.3	6.38	321.26	0.09	37.72
3.934	14.99	4.59	0.5	6.27	504.0	0.12	37.72
3.954	14.99	4.59	0.15	6.26	337.91	0.13	37.73
4.003	14.99	4.51	0.61	6.35	426.64	0.12	36.98
4.02	14.99	4.59	0.5	6.36	510.71	0.11	37.73
4.062	14.99	4.59	0.3	6.38	388.23	0.14	37.73

4.126	14.99	4.59	0.57	6.36	1355.0	0.11	37.72
4.213	14.99	4.59	0.53	6.45	416.38	0.1	37.73
4.309	14.99	4.59	0.46	6.62	597.61	0.13	37.73
4.409	14.99	4.59	0.23	6.74	347.68	0.09	37.73
4.478	14.99	4.59	0.19	7.52	469.17	0.12	37.73
4.501	14.99	4.59	0.5	6.98	466.35	0.11	37.73
4.526	14.99	4.59	0.15	6.77	703.37	0.12	37.73
4.601	14.99	4.58	0.69	6.57	415.23	0.13	37.65
4.677	14.99	4.5	0.23	6.37	377.41	0.14	36.91
4.718	14.99	4.51	0.27	6.19	475.3	0.11	36.98
4.727	14.99	4.59	0.53	6.26	508.23	0.11	37.73
4.743	14.99	4.59	0.42	6.32	771.34	0.12	37.73
4.787	14.99	4.59	0.5	6.36	524.02	0.11	37.73
4.861	14.99	4.59	0.19	6.41	368.16	0.13	37.73
4.926	14.99	4.59	0.3	6.45	450.1	0.1	37.73
4.962	14.99	4.59	0.3	6.46	536.18	0.11	37.73
4.974	14.99	4.59	0.5	6.46	731.8	0.12	37.73
4.991	14.99	4.59	0.46	6.45	577.59	0.09	37.73
5.04	14.99	4.59	0.34	6.39	386.53	0.11	37.73
5.125	14.99	4.59	0.46	6.35	513.68	0.12	37.73
5.207	14.99	4.59	0.5	6.29	582.03	0.13	37.73
5.256	14.99	4.59	0.53	6.23	668.09	0.13	37.73
5.276	14.99	4.59	0.3	6.16	479.17	0.13	37.73
5.294	14.99	4.59	0.53	6.11	900.71	0.12	37.73
5.323	14.99	4.59	0.69	6.05	545.58	0.11	37.73
5.371	14.99	4.59	0.42	6.01	506.46	0.11	37.73
5.43	14.99	4.59	0.5	5.99	552.45	0.1	37.73
5.487	14.99	4.59	0.42	5.98	481.29	0.12	37.72
5.53	14.99	4.58	0.42	5.99	412.83	0.08	37.67
5.548	14.99	4.58	0.46	5.99	613.19	0.11	37.67
5.554	14.99	4.58	0.61	6.01	548.88	0.15	37.69
5.582	14.99	4.59	0.42	6.02	398.91	0.15	37.71
5.647	14.99	4.57	0.38	6.07	463.34	0.17	37.55
5.716	14.99	4.56	0.46	6.1	448.33	0.1	37.49
5.756	14.99	4.56	0.46	6.13	514.27	0.15	37.48
5.778	14.99	4.58	0.5	6.11	592.78	0.11	37.65
5.853	14.99	4.58	0.5	6.1	464.2	0.13	37.69
5.988	14.99	4.58	0.3	6.09	457.78	0.13	37.69
6.124	14.99	4.56	0.46	6.09	535.81	0.19	37.47
6.196	14.99	4.59	0.46	6.07	489.27	0.11	37.74
6.223	14.99	4.59	0.38	6.07	548.24	0.13	37.74
6.3	14.99	4.59	0.34	6.08	474.64	0.12	37.74
6.393	14.99	4.59	0.46	6.09	427.43	0.12	37.74
6.471	14.99	4.59	0.61	6.08	448.54	0.11	37.74
6.518	14.99	4.59	0.42	6.06	409.87	0.12	37.74
6.528	14.99	4.59	0.46	6.01	462.16	0.15	37.74
6.532	14.99	4.59	0.5	5.98	427.03	0.15	37.74
6.537	14.99	4.59	0.61	5.96	414.84	0.2	37.74
6.558	14.99	4.59	0.42	5.96	446.05	0.18	37.74
6.59	14.98	4.59	0.53	5.96	471.13	0.12	37.74
6.603	14.98	4.59	0.38	5.97	453.45	0.12	37.74
6.609	14.98	4.59	0.38	5.97	403.09	0.12	37.74
6.667	14.98	4.59	0.42	5.97	482.07	0.11	37.75
6.749	14.98	4.59	0.53	5.97	532.34	0.12	37.75
6.827	14.98	4.59	0.69	5.98	508.11	0.12	37.74
6.903	14.98	4.59	0.42	5.99	383.85	0.16	37.74
6.973	14.98	4.59	0.57	6.0	382.52	0.15	37.75
7.026	14.98	4.59	0.5	6.02	504.24	0.15	37.75

7.06	14.98	4.59	0.65	6.05	502.37	0.15	37.75
7.087	14.98	4.59	0.65	6.06	437.76	0.11	37.75
7.116	14.98	4.59	0.69	6.09	408.73	0.12	37.75
7.144	14.98	4.59	0.46	6.1	427.23	0.13	37.75
7.181	14.98	4.59	0.57	6.11	437.45	0.14	37.75
7.217	14.98	4.59	0.57	6.11	436.85	0.17	37.75
7.25	14.98	4.59	0.69	6.1	420.65	0.12	37.75
7.282	14.97	4.59	0.5	6.08	381.1	0.1	37.76
7.327	14.97	4.59	0.5	6.06	386.98	0.15	37.76
7.379	14.97	4.59	0.46	6.04	421.82	0.14	37.76
7.41	14.97	4.59	0.69	5.93	435.83	0.15	37.76
7.444	14.97	4.59	0.5	5.91	397.34	0.14	37.76
7.551	14.97	4.59	0.5	5.89	401.6	0.12	37.76
7.674	14.97	4.59	0.5	5.88	361.32	0.11	37.76
7.777	14.97	4.59	0.65	5.89	366.89	0.14	37.77
7.834	14.97	4.59	0.5	5.93	378.64	0.16	37.77
7.864	14.97	4.59	0.5	5.99	427.03	0.14	37.77
7.881	14.97	4.59	0.46	6.07	437.25	0.14	37.77
7.897	14.96	4.59	0.5	6.14	412.54	0.16	37.77
7.935	14.96	4.59	0.5	6.21	391.12	0.12	37.77
7.998	14.96	4.59	0.65	6.27	385.99	0.13	37.77
8.07	14.96	4.59	0.61	6.32	397.71	0.12	37.77
8.123	14.96	4.59	0.46	6.36	384.92	0.1	37.77
8.176	14.95	4.59	0.53	6.4	360.81	0.14	37.78
8.223	14.92	4.59	0.5	6.43	391.3	0.13	37.83
8.256	14.89	4.59	0.57	6.46	439.69	0.14	37.86
8.3	14.86	4.59	0.8	6.48	418.12	0.1	37.91
8.368	14.83	4.6	0.76	6.51	372.63	0.18	37.96
8.461	14.79	4.6	1.72	6.54	351.98	0.16	38.06
8.576	14.73	4.62	2.9	6.57	363.67	0.12	38.23
8.674	14.67	4.63	3.17	6.6	372.54	0.14	38.38
8.752	14.64	4.64	3.55	6.62	343.28	0.14	38.54
8.8	14.63	4.64	3.82	6.63	349.46	0.11	38.59
8.826	14.62	4.64	4.08	6.64	383.76	0.15	38.61
8.853	14.63	4.65	4.2	6.63	388.41	0.18	38.63
8.927	14.62	4.65	4.0	6.6	347.52	0.18	38.65
9.048	14.62	4.65	3.78	6.56	316.16	0.16	38.7
9.177	14.6	4.66	4.04	6.51	299.61	0.17	38.79
9.274	14.58	4.67	4.04	6.45	287.23	0.18	38.9
9.323	14.56	4.68	4.35	6.4	297.6	0.18	38.98
9.331	14.54	4.68	4.0	6.35	290.92	0.2	39.02
9.338	14.53	4.68	4.0	6.32	291.26	0.17	39.0
9.375	14.53	4.68	4.16	6.29	286.24	0.18	38.99
9.449	14.53	4.68	4.23	6.28	280.72	0.23	38.99
9.545	14.53	4.69	4.27	6.27	269.19	0.16	39.16
9.629	14.52	4.7	4.35	6.28	263.63	0.19	39.24
9.693	14.51	4.7	4.54	6.3	254.03	0.22	39.26
9.768	14.51	4.7	4.81	6.33	238.01	0.19	39.26
9.842	14.51	4.71	5.3	6.35	225.14	0.21	39.3
9.931	14.51	4.71	7.17	6.36	212.95	0.25	39.3