

RESULTADOS

MEDIDAS DE SONDA OCEÁNICA (CTD-IMIDA)

COORDINADAS POR EL IMIDA EN EL MM



Región de Murcia

Fecha: Lunes 2/11/2021

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 08:00 a 11:00 horas.

Salida desde el puerto de Lo Pagán, con los técnicos y un patrón del IMIDA.

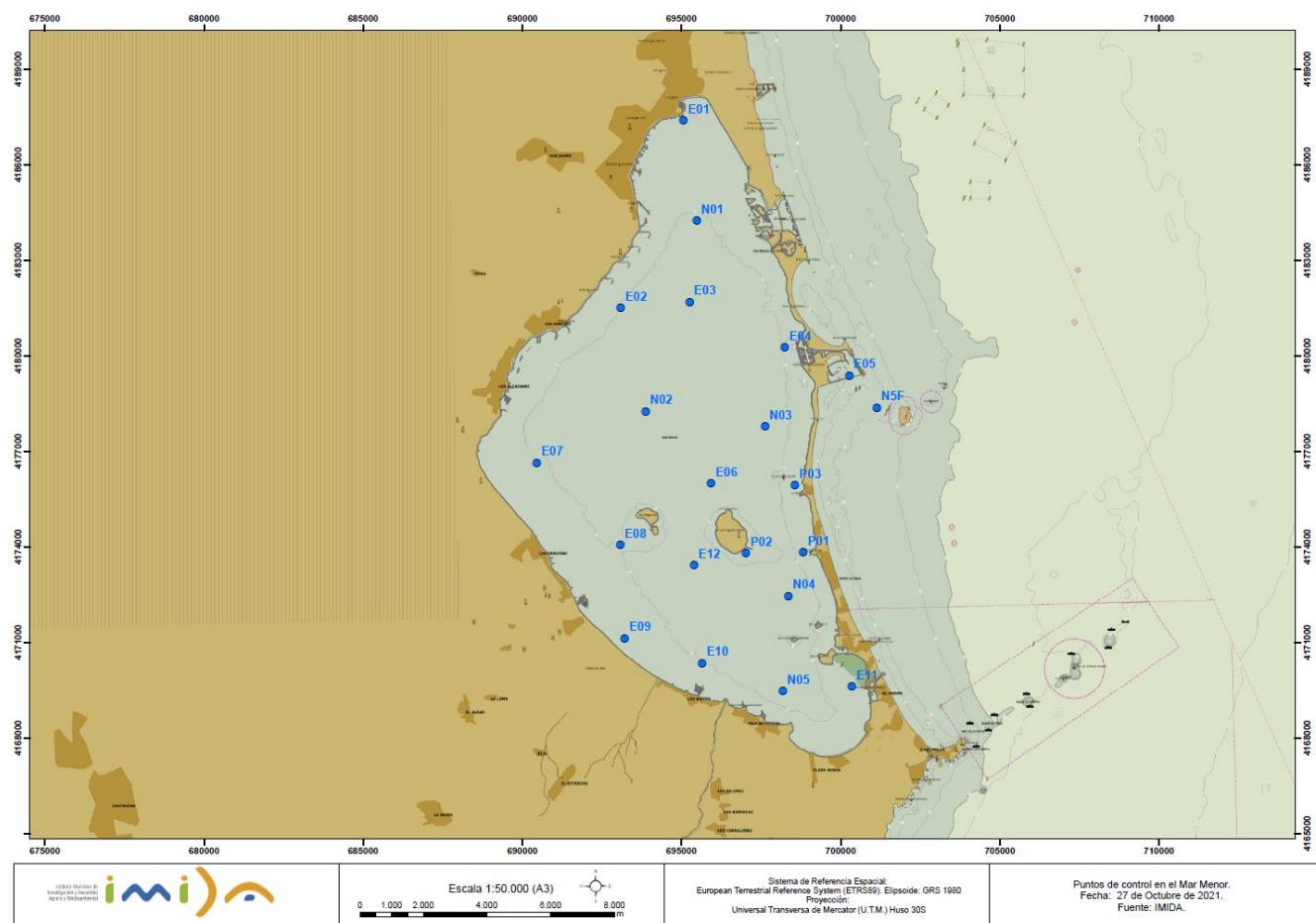
ORDEN	Punto	D. Secchi	Hora	Fondo	Viento (km/h)	Dirección	Sonda
1	E01	2.50	08:16	Si	0	0	2.50
2	N01	4.60	08:24	No	0	0	5.60
3	E03	5.20	08:32	No	0	0	6.30
4	E02	3.90	08:40	No	0	0	5.60
5	N02	2.70	08:48	No	6	N	6.20
6	E07	1.20	09:08	No	6	N	4.80
7	E08	1.80	09:23	No	6	N	5.00
8	N09	1.60	09:31	No	4	N	1.60
9	E10	2.50	09:40	No	4	N	5.10
10	N05	2.40	09:46	No	4	N	5.80
11	E11	3.00	09:53	No	4	N	4.30
12	N04	2.70	10:02	No	4	E	5.90
13	P01	1.80	10:13	Si	4	E	1.80
14	P02	2.80	10:17	No	4	E	3.20
15	E12	2.50	10:23	No	4	E	5.90
16	E06	2.60	10:32	No	6	NE	6.60
17	N03	3.10	10:41	No	6	E	6.40
18	P03	2.00	10:48	No	6	E	2.00
19	E04	3.50	10:57	No	6	E	5.30
20	E05	5.30	11:08	No	6	E	5.30
21	N5F	9.50	11:14	No	10	SE	9.50

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.

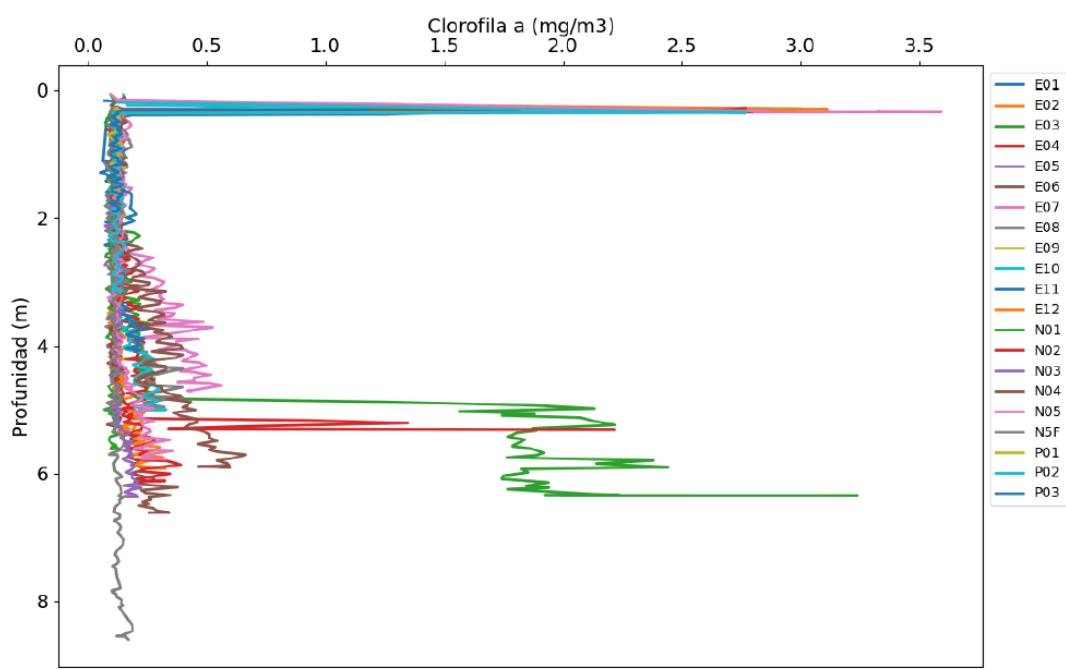
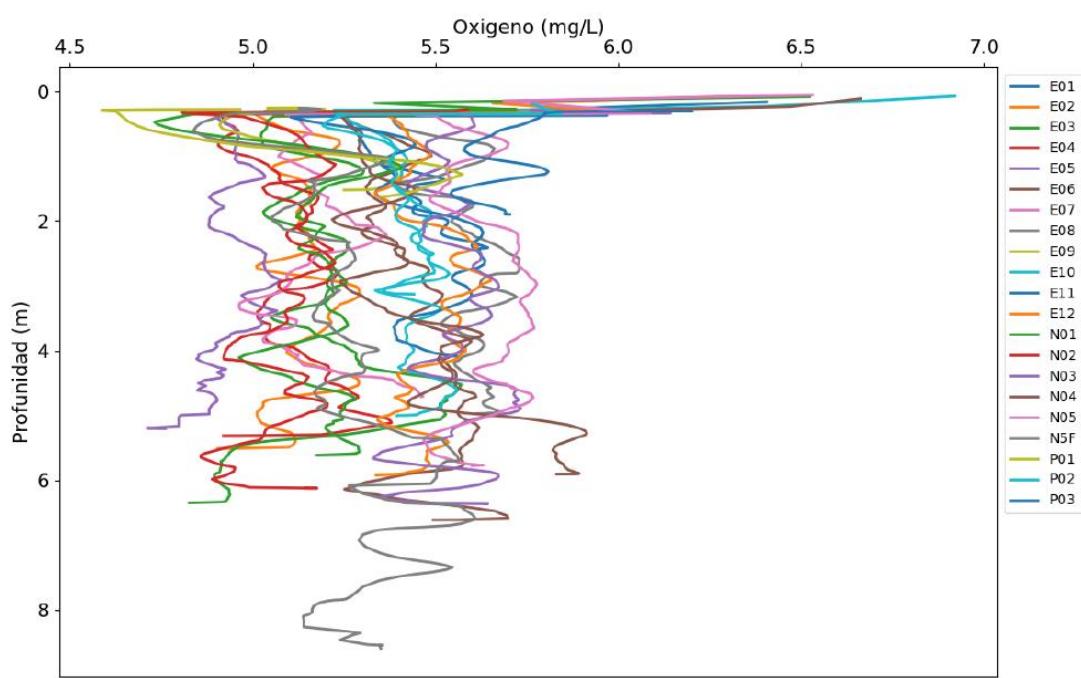
Instalaciones del IMIDA de La Alberca: Diseño y puesta en marcha de la encuesta para la toma de datos, procesamiento, tratamiento, análisis de datos, cartografía y maquetación.

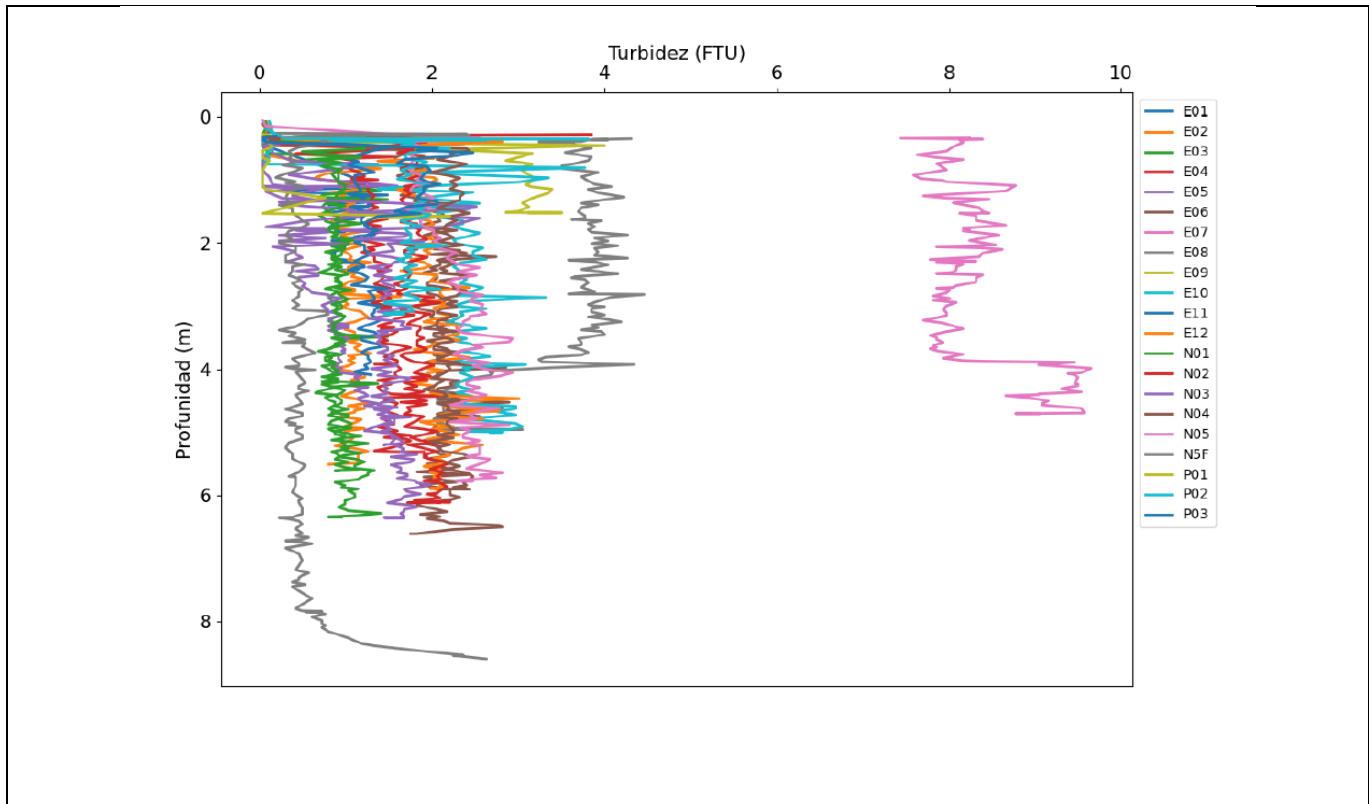
Mar Menor: El IMIDA ha muestreado un total de 21 puntos con el CTD, previamente establecidos por el grupo de monitorización.

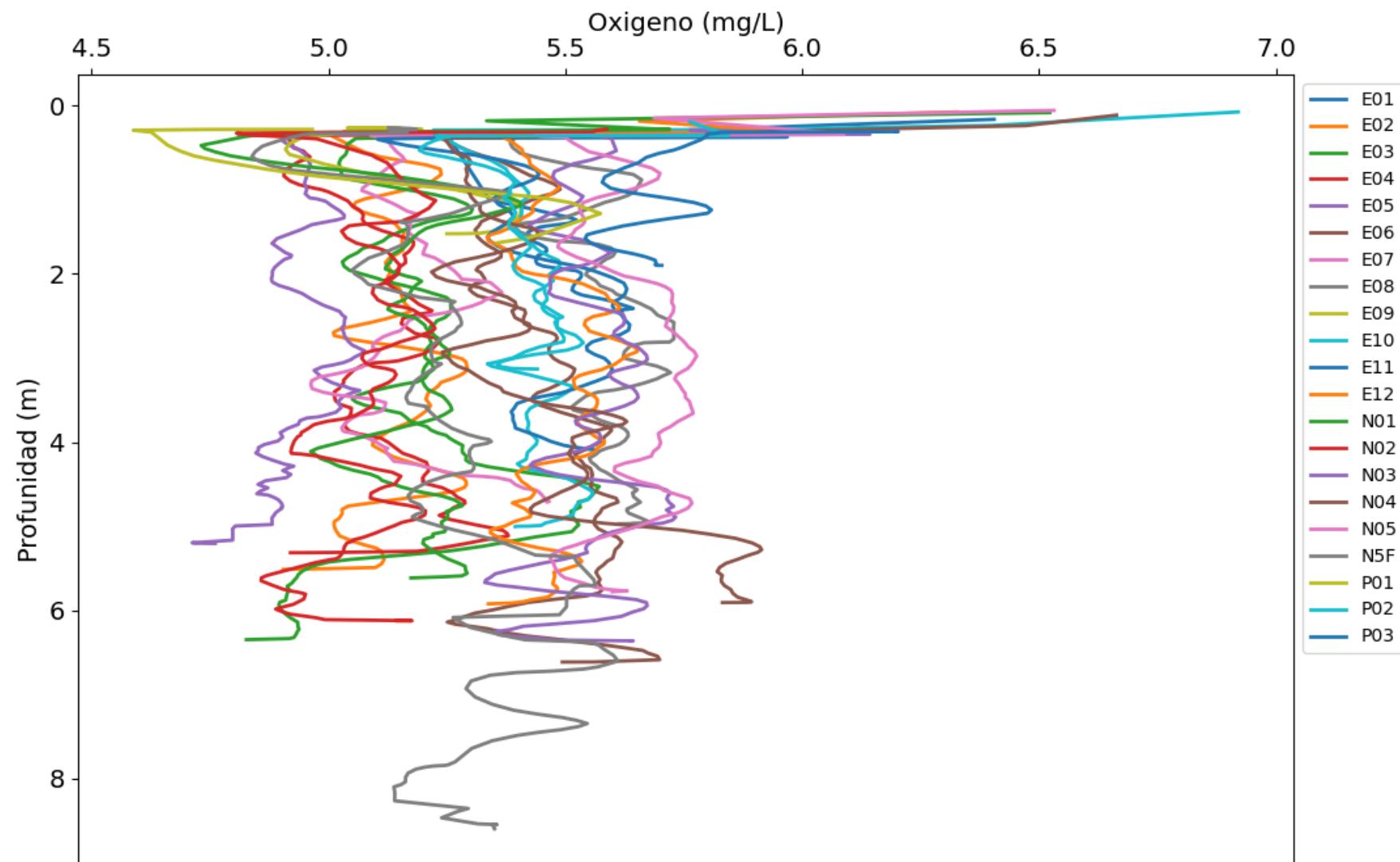


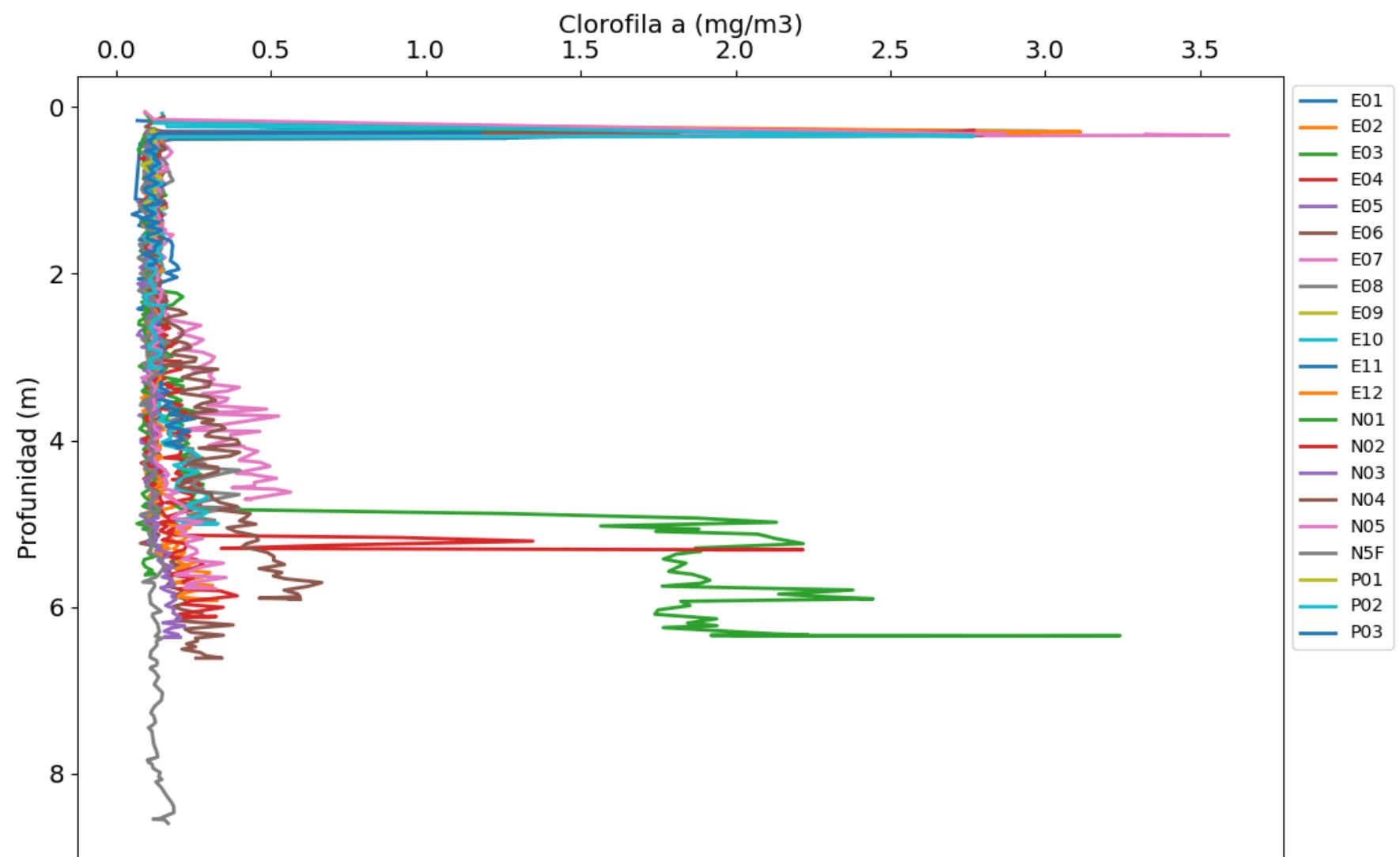
SITUACIÓN GENERAL

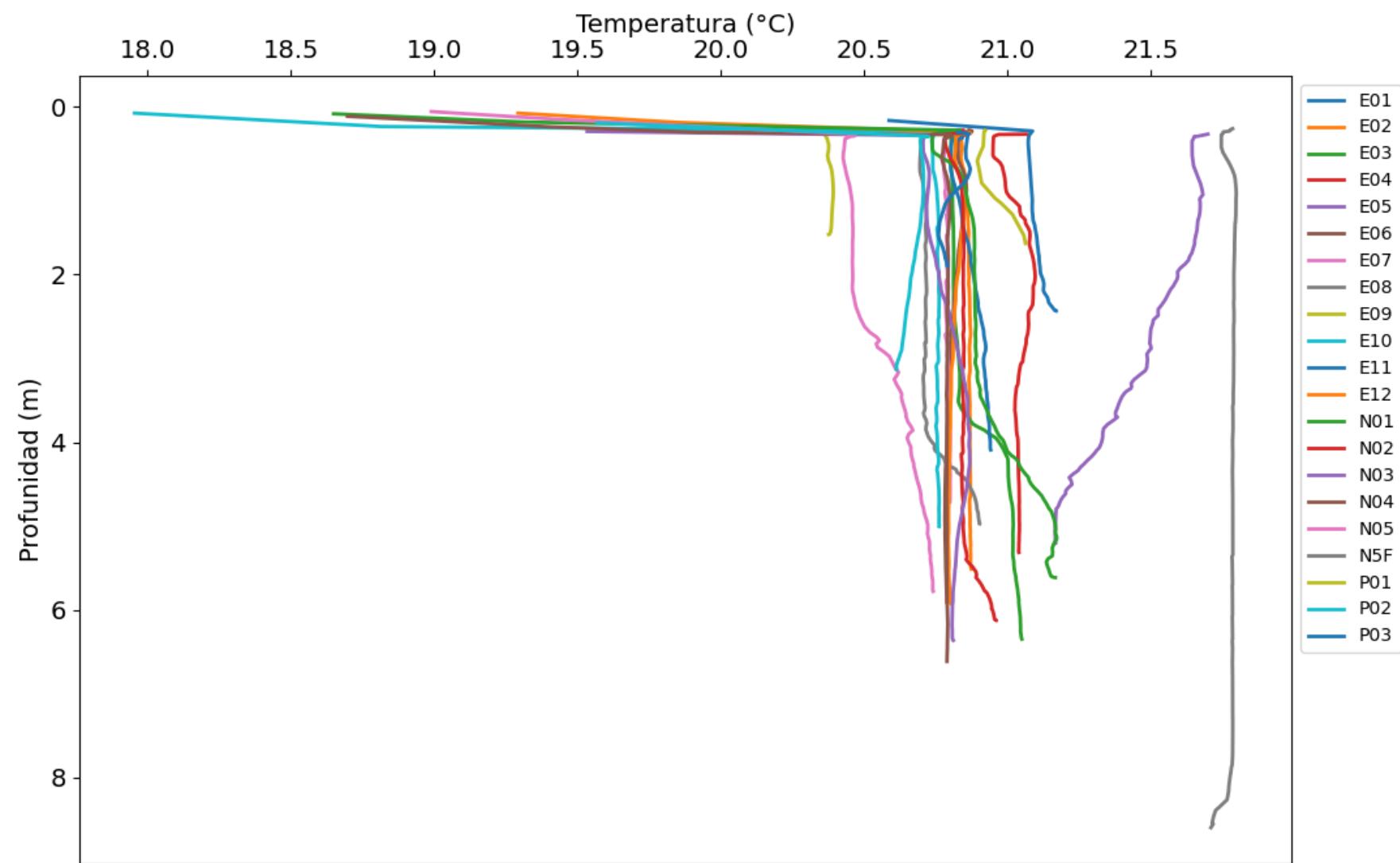
Los niveles medios de oxígeno están próximos a la normalidad en todos los puntos. Los valores de clorofila se han bajado en la mayoría de las estaciones. Los valores de turbidez han bajado y solo se mantiene alto en la estación E07.

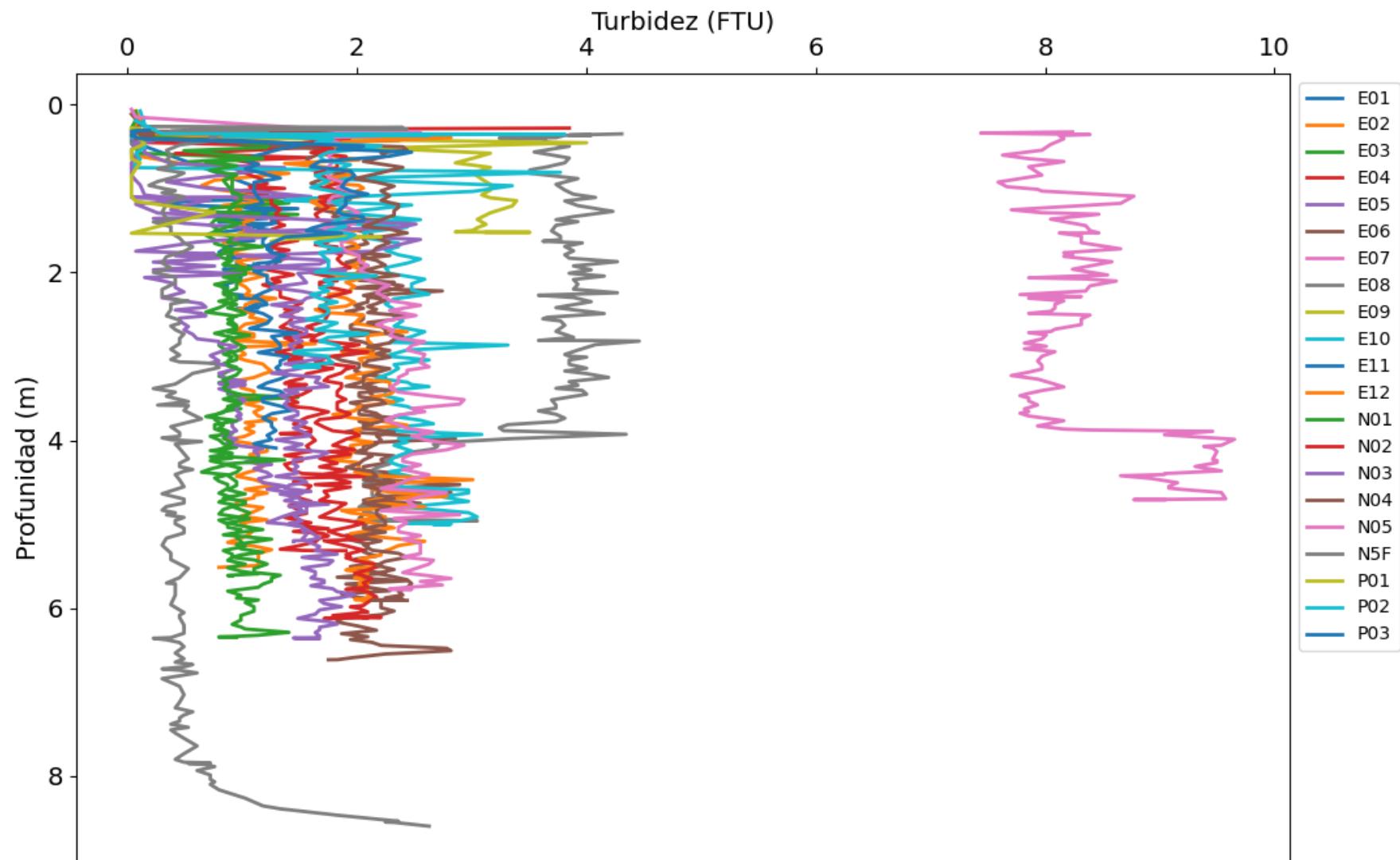


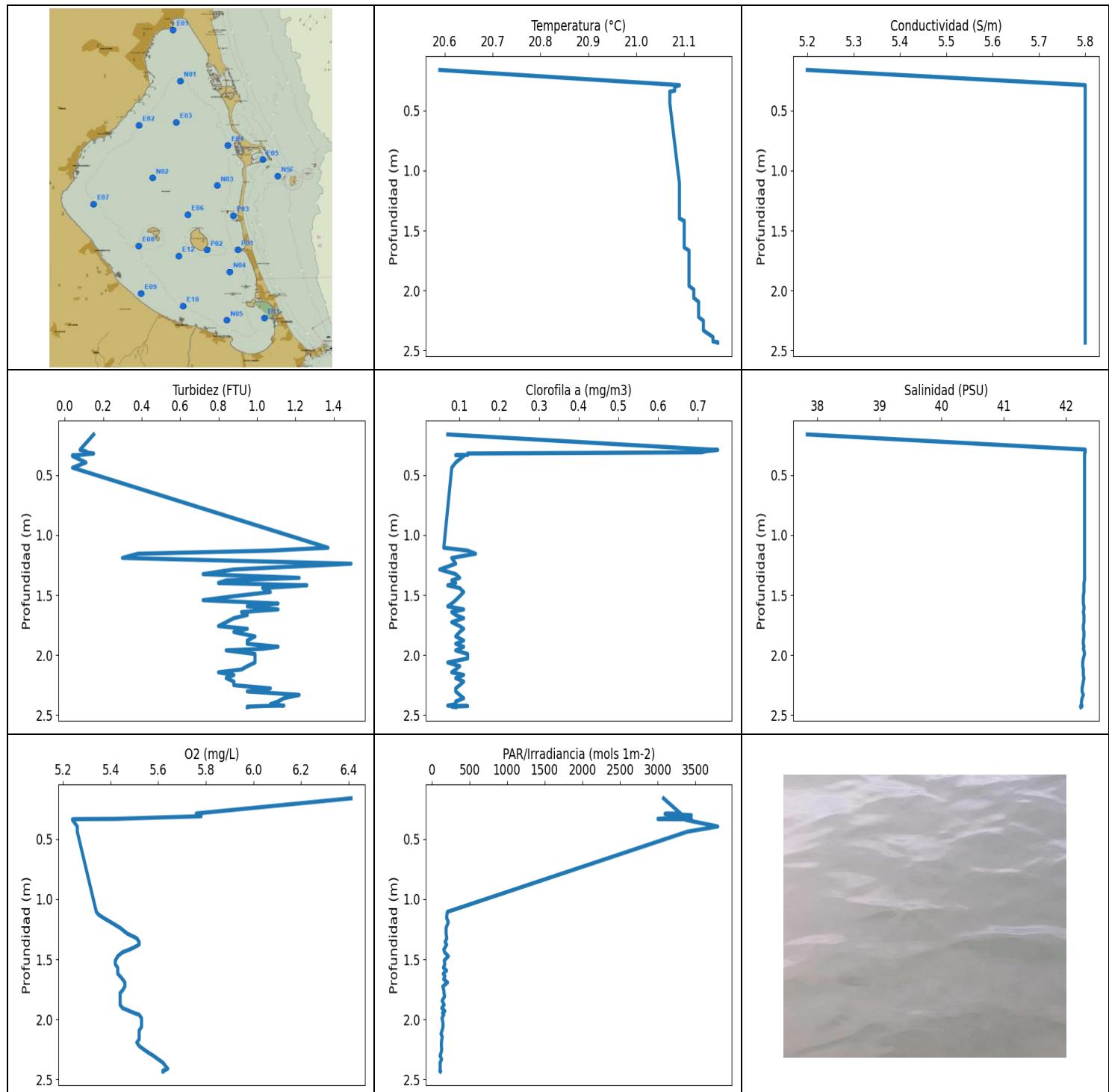












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.59	5.2	0.04	5.24	107.91	0.05	37.84
PROF (metros)	0.162	0.162	0.335	0.336	2.43	1.287	0.162
MÁXIMO	21.17	21.17	1.49	6.41	3798.2	0.75	42.31
PROF (metros)	2.425	0.288	1.239	0.162	0.396	0.291	0.288

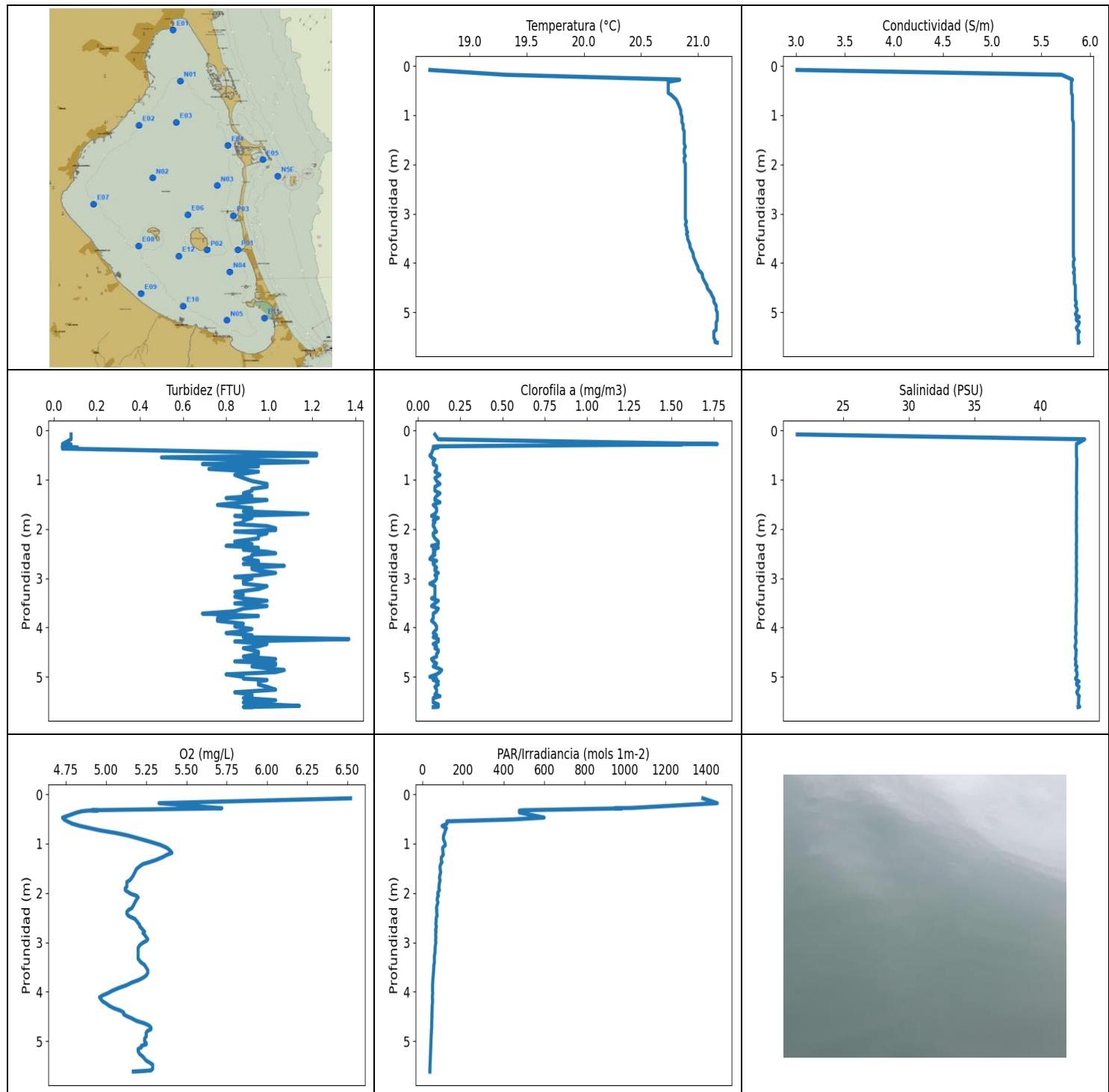
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

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	21.04	5.75	0.09	5.56	3315.22	0.31	41.93
1 - 2m	21.1	5.8	0.95	5.45	175.38	0.09	42.29
2 - 3m	21.14	5.8	0.99	5.57	125.12	0.09	42.27

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.162	20.59	5.2	0.15	6.41	3078.1	0.07	37.84
0.288	21.09	5.8	0.08	5.76	3304.3	0.73	42.31
0.291	21.09	5.8	0.08	5.77	3098.1	0.75	42.31
0.302	21.08	5.8	0.11	5.78	3445.9	0.72	42.31
0.311	21.08	5.8	0.11	5.78	3445.1	0.71	42.31
0.321	21.08	5.8	0.15	5.61	3250.4	0.12	42.3
0.333	21.08	5.8	0.08	5.42	3004.1	0.12	42.3
0.335	21.08	5.8	0.04	5.25	3134.9	0.09	42.3
0.336	21.08	5.8	0.04	5.24	3449.1	0.11	42.3
0.342	21.07	5.8	0.04	5.24	3378.6	0.11	42.3
0.396	21.07	5.8	0.11	5.26	3798.2	0.09	42.3
0.439	21.07	5.8	0.04	5.26	3395.9	0.08	42.3
1.106	21.09	5.8	1.37	5.34	208.27	0.06	42.3
1.13	21.09	5.8	1.07	5.35	202.23	0.12	42.3
1.156	21.09	5.8	0.38	5.37	197.91	0.14	42.3
1.191	21.09	5.8	0.3	5.4	220.33	0.08	42.3
1.239	21.09	5.8	1.49	5.44	191.37	0.09	42.3
1.287	21.09	5.8	0.88	5.47	191.64	0.05	42.3
1.326	21.09	5.8	0.72	5.51	200.22	0.09	42.3
1.357	21.09	5.8	1.22	5.52	178.68	0.1	42.3
1.378	21.09	5.8	0.84	5.52	198.51	0.08	42.3
1.4	21.09	5.8	0.8	5.5	179.51	0.09	42.29
1.419	21.1	5.8	1.26	5.48	161.06	0.07	42.29
1.442	21.1	5.8	1.03	5.45	171.7	0.1	42.29
1.475	21.1	5.8	1.07	5.43	221.1	0.11	42.29
1.51	21.1	5.8	0.88	5.42	166.88	0.1	42.28
1.543	21.1	5.8	0.72	5.42	173.1	0.09	42.28
1.571	21.1	5.8	1.11	5.43	155.7	0.08	42.28
1.594	21.1	5.8	0.95	5.43	197.46	0.07	42.29
1.62	21.1	5.8	1.11	5.43	153.48	0.11	42.29
1.642	21.1	5.8	0.92	5.44	175.69	0.08	42.28
1.666	21.11	5.8	0.95	5.45	159.1	0.09	42.29
1.693	21.11	5.8	0.88	5.46	210.45	0.11	42.29
1.726	21.11	5.8	0.84	5.46	147.55	0.08	42.29
1.759	21.11	5.8	0.8	5.45	161.14	0.1	42.28
1.781	21.11	5.8	0.95	5.44	162.98	0.11	42.28
1.808	21.11	5.8	0.88	5.44	171.7	0.1	42.29
1.845	21.11	5.8	0.99	5.44	138.99	0.09	42.29
1.879	21.11	5.8	0.95	5.44	165.95	0.11	42.28

1.906	21.11	5.8	0.95	5.45	134.18	0.09	42.28
1.931	21.11	5.8	1.11	5.48	174.96	0.11	42.29
1.948	21.11	5.8	1.03	5.5	144.1	0.1	42.28
1.961	21.11	5.8	0.84	5.52	159.83	0.09	42.29
1.991	21.12	5.8	0.99	5.53	136.4	0.12	42.3
2.028	21.12	5.8	0.99	5.53	149.86	0.12	42.28
2.062	21.12	5.8	0.99	5.53	150.56	0.07	42.27
2.093	21.13	5.8	0.95	5.52	137.26	0.1	42.27
2.12	21.13	5.8	0.92	5.52	123.52	0.09	42.28
2.144	21.13	5.8	0.8	5.52	140.18	0.08	42.28
2.166	21.13	5.8	0.88	5.52	134.46	0.11	42.28
2.192	21.13	5.8	0.84	5.51	128.81	0.09	42.29
2.221	21.13	5.8	0.88	5.52	128.66	0.11	42.28
2.251	21.14	5.8	0.88	5.54	132.63	0.1	42.27
2.278	21.14	5.8	1.07	5.56	124.07	0.09	42.26
2.303	21.14	5.8	0.95	5.58	112.22	0.09	42.26
2.332	21.14	5.8	1.22	5.6	131.16	0.1	42.28
2.36	21.15	5.8	1.14	5.62	111.42	0.11	42.26
2.387	21.16	5.8	1.11	5.63	112.61	0.09	42.25
2.41	21.16	5.8	1.07	5.64	111.34	0.09	42.25
2.421	21.16	5.8	1.14	5.63	113.84	0.07	42.24
2.425	21.16	5.8	1.03	5.62	112.04	0.12	42.26
2.43	21.17	5.8	0.95	5.62	107.91	0.08	42.25
2.434	21.17	5.8	0.95	5.62	114.8	0.09	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/m³)	Salinidad (PSU)
MÍNIMO	18.65	3.01	0.04	4.73	36.12	0.07	21.53
PROF (metros)	0.082	0.082	0.278	0.472	5.602	0.51	0.082
MÁXIMO	21.17	21.17	1.37	6.52	1455.6	1.77	43.37
PROF (metros)	5.0	5.093	4.233	0.082	0.18	0.278	0.18

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

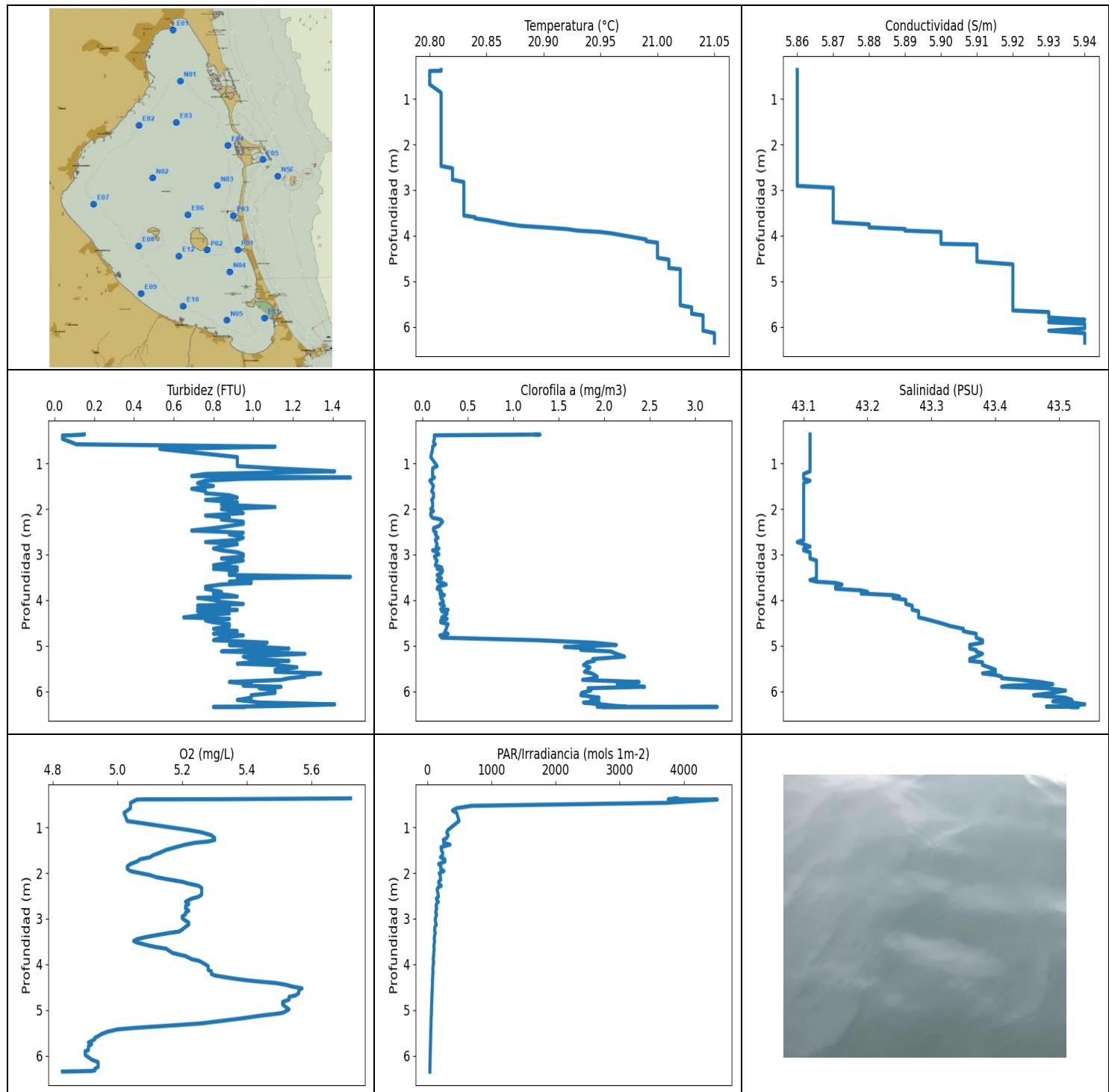
CTD N01 - Punto 002	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.62	5.68	0.48	5.12	488.49	0.29	41.81
1 - 2m	20.88	5.83	0.92	5.23	90.23	0.1	42.75
2 - 3m	20.89	5.83	0.93	5.19	69.02	0.1	42.74
3 - 4m	20.92	5.83	0.87	5.2	56.18	0.1	42.73
4 - 5m	21.08	5.85	0.95	5.13	46.3	0.11	42.7
5 - 6m	21.16	5.87	0.95	5.24	38.56	0.11	42.86

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.082	18.65	3.01	0.08	6.52	1384.5	0.1	21.53
0.18	19.31	5.71	0.08	5.33	1455.6	0.12	43.37
0.278	20.84	5.82	0.04	5.7	1027.9	1.77	42.74
0.281	20.84	5.82	0.04	5.72	952.01	1.23	42.74
0.285	20.83	5.82	0.08	5.71	983.87	1.56	42.74
0.323	20.74	5.81	0.04	4.91	498.54	0.11	42.74
0.328	20.74	5.81	0.04	4.95	485.21	0.11	42.74
0.329	20.74	5.81	0.08	4.9	479.84	0.1	42.74
0.333	20.74	5.81	0.04	4.88	478.28	0.09	42.74
0.344	20.74	5.81	0.11	4.85	484.53	0.12	42.74
0.369	20.74	5.81	0.04	4.82	478.84	0.09	42.74
0.472	20.74	5.81	1.22	4.73	600.53	0.08	42.74
0.51	20.74	5.81	1.22	4.74	443.17	0.07	42.74
0.548	20.74	5.81	0.5	4.76	120.72	0.08	42.75
0.595	20.77	5.82	0.84	4.79	120.94	0.1	42.77
0.642	20.79	5.82	1.18	4.84	96.55	0.09	42.76
0.685	20.81	5.82	0.69	4.9	118.12	0.09	42.77
0.729	20.82	5.82	0.95	4.96	112.48	0.11	42.76
0.783	20.83	5.82	0.72	5.06	109.32	0.11	42.76
0.838	20.84	5.82	0.95	5.14	104.03	0.1	42.75
0.902	20.85	5.82	0.84	5.21	102.76	0.13	42.75
0.966	20.85	5.82	0.88	5.28	108.99	0.1	42.75
1.027	20.86	5.82	0.92	5.34	112.82	0.11	42.75
1.087	20.86	5.82	0.99	5.38	98.95	0.13	42.75
1.144	20.86	5.83	0.99	5.4	100.08	0.1	42.74
1.186	20.87	5.83	0.92	5.41	101.22	0.1	42.74
1.224	20.87	5.83	0.92	5.38	102.83	0.1	42.75
1.276	20.87	5.83	0.88	5.35	93.16	0.13	42.76
1.331	20.88	5.83	0.92	5.31	92.26	0.11	42.74
1.374	20.88	5.83	0.8	5.27	96.39	0.1	42.74
1.413	20.88	5.83	0.99	5.23	90.33	0.1	42.75
1.458	20.88	5.83	0.88	5.21	86.26	0.13	42.75
1.512	20.88	5.83	0.76	5.19	86.78	0.09	42.75
1.578	20.88	5.83	0.92	5.18	89.83	0.11	42.75
1.642	20.89	5.83	0.88	5.17	85.39	0.11	42.74
1.693	20.88	5.83	1.18	5.16	83.56	0.1	42.74

1.735	20.88	5.83	0.84	5.15	86.74	0.08	42.74
1.777	20.88	5.83	0.92	5.13	84.38	0.12	42.75
1.828	20.89	5.83	0.88	5.13	82.35	0.09	42.74
1.868	20.88	5.83	0.88	5.13	81.58	0.1	42.73
1.901	20.88	5.83	0.84	5.12	80.45	0.09	42.74
1.941	20.88	5.83	0.99	5.12	83.49	0.09	42.75
1.986	20.89	5.83	1.03	5.14	75.99	0.1	42.74
2.023	20.89	5.83	1.03	5.16	75.15	0.1	42.73
2.054	20.89	5.83	0.84	5.19	78.59	0.11	42.74
2.087	20.89	5.83	0.99	5.2	73.85	0.09	42.74
2.131	20.89	5.83	0.95	5.19	72.13	0.09	42.75
2.19	20.89	5.83	0.95	5.18	76.04	0.1	42.75
2.256	20.89	5.83	0.84	5.17	71.23	0.12	42.75
2.307	20.89	5.83	0.92	5.16	68.88	0.12	42.73
2.343	20.89	5.83	0.8	5.14	70.56	0.08	42.74
2.381	20.89	5.83	0.95	5.13	69.54	0.12	42.75
2.421	20.89	5.83	0.88	5.13	71.28	0.09	42.74
2.462	20.89	5.83	0.99	5.14	72.1	0.1	42.74
2.495	20.89	5.83	1.03	5.16	67.86	0.09	42.73
2.524	20.89	5.83	0.92	5.18	67.28	0.1	42.74
2.565	20.89	5.83	0.92	5.19	67.64	0.08	42.75
2.609	20.89	5.83	0.88	5.2	65.94	0.07	42.74
2.647	20.89	5.83	0.95	5.21	65.99	0.11	42.73
2.678	20.89	5.83	0.95	5.21	68.53	0.09	42.74
2.71	20.89	5.83	0.88	5.22	66.83	0.09	42.75
2.748	20.89	5.83	1.07	5.23	64.28	0.1	42.74
2.783	20.89	5.83	0.92	5.24	66.56	0.11	42.73
2.812	20.89	5.83	0.92	5.23	65.12	0.1	42.73
2.844	20.89	5.83	0.95	5.24	64.8	0.1	42.75
2.892	20.89	5.83	1.03	5.25	65.92	0.12	42.75
2.938	20.89	5.83	0.95	5.26	64.46	0.1	42.73
2.971	20.89	5.83	0.84	5.25	65.03	0.11	42.73
3.005	20.89	5.83	0.92	5.23	65.74	0.11	42.75
3.056	20.89	5.83	0.88	5.21	63.64	0.1	42.75
3.11	20.89	5.83	0.88	5.2	62.04	0.07	42.73
3.161	20.9	5.83	0.99	5.2	62.08	0.1	42.73
3.22	20.89	5.83	0.95	5.2	61.24	0.1	42.75
3.28	20.9	5.83	0.84	5.2	58.29	0.1	42.74
3.332	20.9	5.83	0.88	5.2	58.55	0.1	42.72
3.374	20.91	5.83	0.84	5.21	58.89	0.1	42.73
3.41	20.9	5.83	0.88	5.22	58.78	0.08	42.74
3.456	20.91	5.83	0.99	5.24	56.05	0.12	42.75
3.51	20.91	5.83	0.84	5.25	55.11	0.1	42.73
3.564	20.92	5.83	0.99	5.26	54.83	0.08	42.71
3.616	20.93	5.83	0.88	5.26	54.04	0.12	42.72
3.67	20.93	5.83	0.84	5.25	52.79	0.11	42.73
3.717	20.94	5.83	0.69	5.23	51.58	0.09	42.7
3.766	20.95	5.83	0.95	5.2	50.94	0.09	42.71
3.813	20.96	5.83	0.76	5.16	50.32	0.09	42.7
3.863	20.96	5.83	0.76	5.13	49.66	0.08	42.71
3.922	20.97	5.84	0.88	5.08	49.56	0.1	42.73
3.977	20.98	5.83	0.84	5.04	49.5	0.11	42.68
4.03	20.99	5.83	0.92	5.01	50.38	0.11	42.68
4.071	21.0	5.83	0.88	4.98	48.93	0.1	42.68
4.111	21.0	5.84	0.8	4.96	48.68	0.09	42.72
4.155	21.01	5.84	0.92	4.97	49.3	0.11	42.7
4.195	21.03	5.83	0.88	4.98	49.73	0.09	42.65
4.233	21.04	5.84	1.37	5.0	48.98	0.12	42.69

4.283	21.04	5.84	0.84	5.02	47.7	0.12	42.72
4.334	21.05	5.84	0.99	5.05	47.47	0.09	42.68
4.38	21.06	5.84	0.95	5.09	47.11	0.11	42.63
4.419	21.07	5.84	0.88	5.11	46.59	0.1	42.66
4.457	21.08	5.85	0.92	5.11	46.36	0.12	42.73
4.493	21.08	5.85	0.95	5.13	46.54	0.12	42.71
4.537	21.09	5.85	0.95	5.16	46.25	0.11	42.71
4.589	21.11	5.85	0.88	5.19	45.57	0.11	42.7
4.639	21.12	5.85	1.03	5.24	45.36	0.08	42.65
4.687	21.13	5.85	0.84	5.27	45.13	0.09	42.71
4.727	21.14	5.85	1.03	5.28	45.04	0.11	42.68
4.756	21.14	5.85	1.03	5.28	44.46	0.1	42.66
4.789	21.14	5.86	0.92	5.26	43.87	0.09	42.78
4.827	21.15	5.86	0.99	5.25	43.7	0.12	42.75
4.863	21.16	5.85	1.07	5.25	43.09	0.14	42.69
4.904	21.16	5.86	1.03	5.25	42.55	0.13	42.77
4.951	21.16	5.87	0.8	5.24	42.17	0.11	42.8
5.0	21.17	5.86	0.88	5.24	41.87	0.07	42.75
5.037	21.17	5.85	0.88	5.25	41.7	0.11	42.67
5.064	21.17	5.86	0.99	5.25	41.48	0.09	42.75
5.093	21.17	5.89	0.95	5.22	41.2	0.12	42.94
5.124	21.17	5.86	0.95	5.22	41.02	0.11	42.76
5.157	21.17	5.86	0.95	5.2	40.62	0.12	42.75
5.204	21.16	5.89	0.99	5.2	40.14	0.1	42.94
5.261	21.16	5.88	1.03	5.21	39.37	0.11	42.87
5.314	21.16	5.86	0.84	5.23	38.83	0.11	42.76
5.356	21.16	5.87	0.92	5.24	38.48	0.1	42.84
5.393	21.14	5.89	0.92	5.25	37.83	0.13	42.96
5.431	21.14	5.88	0.88	5.27	37.44	0.09	42.9
5.475	21.14	5.88	1.03	5.29	37.08	0.09	42.92
5.519	21.14	5.88	0.88	5.29	36.75	0.09	42.89
5.56	21.15	5.88	0.99	5.29	36.44	0.12	42.91
5.59	21.15	5.88	1.14	5.28	36.29	0.1	42.88
5.602	21.15	5.88	0.99	5.24	36.12	0.12	42.87
5.606	21.16	5.89	0.92	5.22	36.17	0.12	42.99
5.612	21.16	5.88	0.88	5.19	36.15	0.11	42.92
5.615	21.17	5.88	0.92	5.17	36.3	0.09	42.87



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.8	5.86	0.04	4.83	36.97	0.08	43.09
PROF (metros)	0.386	0.363	0.386	6.349	6.344	1.377	2.725
MÁXIMO	21.05	21.05	1.49	5.72	4523.5	3.24	43.54
PROF (metros)	6.142	5.846	1.309	0.363	0.39	6.344	6.288

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS 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	20.81	5.86	0.29	5.19	2370.1	0.33	43.11
1 - 2m	20.81	5.86	0.91	5.16	255.04	0.11	43.1
2 - 3m	20.82	5.86	0.87	5.21	160.87	0.15	43.1
3 - 4m	20.86	5.87	0.89	5.17	106.56	0.19	43.15
4 - 5m	21.01	5.91	0.84	5.44	75.94	0.42	43.31
5 - 6m	21.03	5.92	1.09	5.09	51.64	1.94	43.4
6 - 7m	21.05	5.94	0.99	4.91	38.6	2.09	43.51

OBSERVACIONES GENERALES

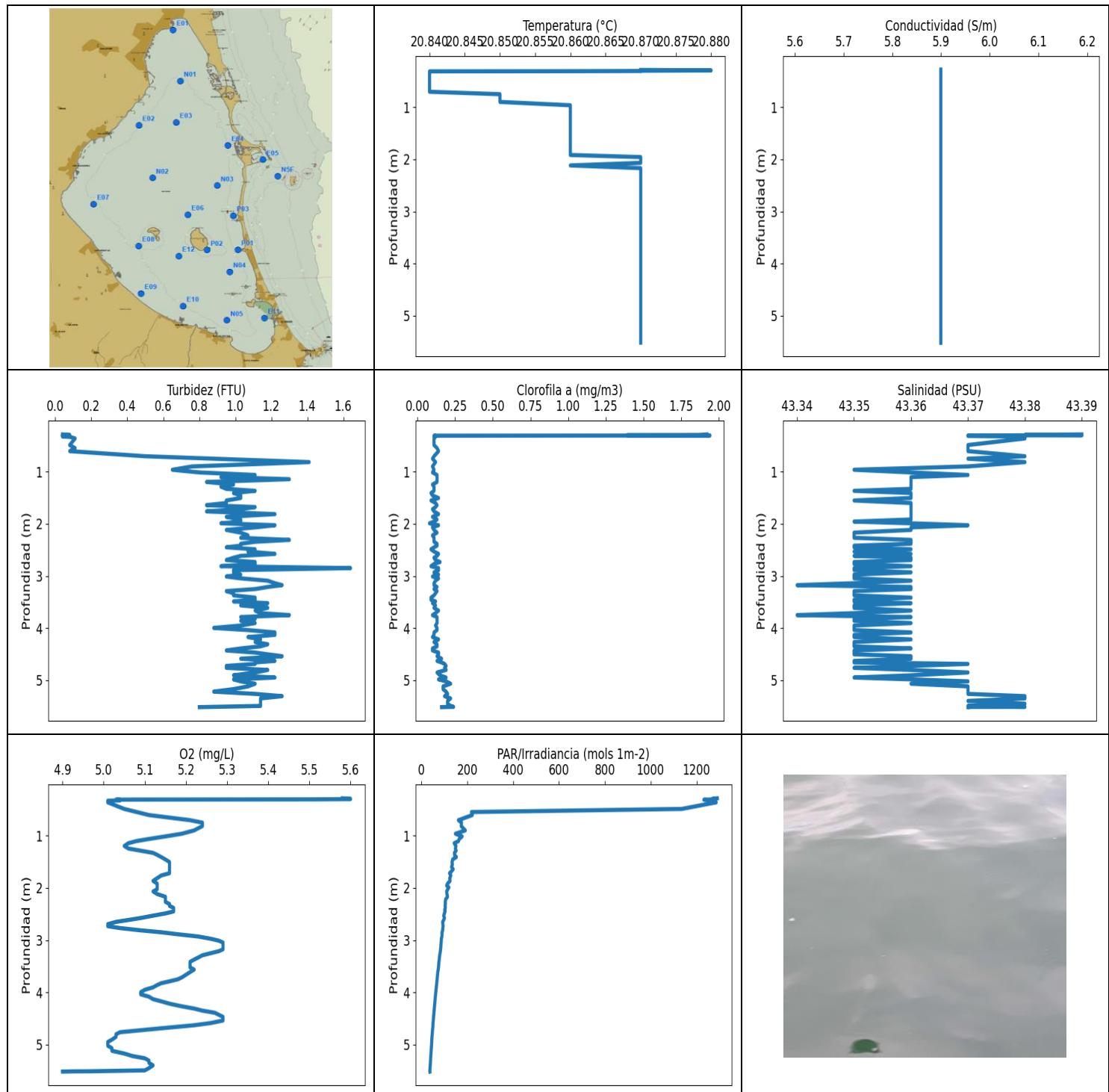
CLOROFILA elevada en la(s) columna(s) de agua 6 - 7m con los valores 2.09 respectivamente

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.363	20.81	5.86	0.15	5.72	3863.9	1.24	43.11
0.365	20.81	5.86	0.15	5.7	3908.0	1.29	43.11
0.382	20.81	5.86	0.08	5.33	3758.8	0.13	43.11
0.386	20.8	5.86	0.04	5.08	3825.6	0.14	43.11
0.39	20.8	5.86	0.04	5.06	4523.5	0.13	43.11
0.462	20.8	5.86	0.04	5.04	3710.3	0.13	43.11
0.527	20.8	5.86	0.08	5.04	689.17	0.12	43.11
0.58	20.8	5.86	0.11	5.04	452.72	0.14	43.11
0.63	20.8	5.86	1.11	5.03	390.04	0.11	43.11
0.682	20.8	5.86	0.53	5.02	456.51	0.11	43.11
0.86	20.81	5.86	0.92	5.03	492.57	0.09	43.11
1.058	20.81	5.86	0.92	5.22	319.33	0.16	43.11
1.108	20.81	5.86	1.11	5.26	300.72	0.11	43.11
1.172	20.81	5.86	1.41	5.29	323.5	0.11	43.11
1.23	20.81	5.86	0.76	5.3	301.91	0.11	43.1
1.275	20.81	5.86	0.69	5.3	245.69	0.11	43.1
1.309	20.81	5.86	1.49	5.28	258.07	0.13	43.1
1.336	20.81	5.86	0.95	5.24	252.39	0.11	43.1
1.377	20.81	5.86	0.76	5.21	351.65	0.08	43.11
1.433	20.81	5.86	0.72	5.18	211.33	0.1	43.1
1.494	20.81	5.86	0.8	5.15	217.19	0.12	43.1
1.556	20.81	5.86	0.69	5.13	237.13	0.11	43.1
1.609	20.81	5.86	0.76	5.11	235.16	0.1	43.1
1.654	20.81	5.86	0.76	5.1	202.46	0.12	43.1
1.697	20.81	5.86	0.88	5.07	269.44	0.12	43.1
1.748	20.81	5.86	0.92	5.06	272.58	0.12	43.1
1.801	20.81	5.86	0.76	5.04	174.83	0.1	43.1
1.855	20.81	5.86	0.92	5.03	209.62	0.11	43.1
1.908	20.81	5.86	0.84	5.03	206.06	0.11	43.1
1.956	20.81	5.86	1.11	5.04	256.75	0.11	43.1
2.002	20.81	5.86	0.84	5.07	183.55	0.09	43.1
2.043	20.81	5.86	0.92	5.1	196.45	0.12	43.1
2.09	20.81	5.86	0.95	5.12	201.62	0.09	43.1
2.143	20.81	5.86	0.76	5.16	206.92	0.09	43.1

2.191	20.81	5.86	0.88	5.2	175.4	0.11	43.1
2.232	20.81	5.86	0.84	5.22	178.11	0.2	43.1
2.278	20.81	5.86	0.95	5.25	215.29	0.22	43.1
2.326	20.81	5.86	0.95	5.26	159.5	0.2	43.1
2.372	20.81	5.86	0.88	5.26	151.12	0.18	43.1
2.42	20.81	5.86	0.8	5.26	160.47	0.12	43.1
2.472	20.81	5.86	0.69	5.26	165.95	0.12	43.1
2.52	20.82	5.86	0.95	5.25	170.75	0.15	43.1
2.558	20.82	5.86	0.88	5.23	138.73	0.14	43.1
2.59	20.82	5.86	0.92	5.22	145.78	0.15	43.1
2.63	20.82	5.86	0.95	5.21	169.45	0.17	43.1
2.679	20.82	5.86	0.92	5.22	140.54	0.14	43.1
2.725	20.82	5.86	0.76	5.21	133.9	0.15	43.09
2.772	20.82	5.86	0.92	5.21	145.41	0.16	43.1
2.824	20.83	5.86	0.84	5.22	132.08	0.15	43.11
2.868	20.83	5.86	0.8	5.21	128.78	0.18	43.1
2.908	20.83	5.86	0.84	5.21	143.54	0.11	43.1
2.949	20.83	5.87	0.92	5.2	133.83	0.16	43.11
2.994	20.83	5.87	0.95	5.2	122.86	0.18	43.11
3.041	20.83	5.87	0.95	5.21	121.5	0.13	43.11
3.086	20.83	5.87	0.84	5.22	129.44	0.14	43.11
3.13	20.83	5.87	0.95	5.22	137.42	0.16	43.12
3.179	20.83	5.87	0.88	5.21	115.87	0.15	43.12
3.236	20.83	5.87	0.8	5.2	112.66	0.14	43.12
3.283	20.83	5.87	0.92	5.19	113.32	0.21	43.12
3.312	20.83	5.87	0.8	5.16	121.73	0.16	43.12
3.349	20.83	5.87	0.92	5.13	114.27	0.22	43.12
3.399	20.83	5.87	0.88	5.09	107.31	0.21	43.12
3.449	20.83	5.87	0.88	5.06	106.96	0.16	43.12
3.489	20.83	5.87	1.49	5.05	110.82	0.19	43.12
3.522	20.83	5.87	0.92	5.06	109.17	0.21	43.12
3.559	20.83	5.87	0.99	5.08	102.95	0.16	43.11
3.595	20.84	5.87	0.88	5.1	100.03	0.17	43.12
3.623	20.84	5.87	0.99	5.12	101.67	0.22	43.15
3.657	20.85	5.87	0.84	5.15	103.79	0.26	43.16
3.705	20.86	5.87	0.76	5.16	102.35	0.17	43.15
3.751	20.87	5.88	0.76	5.17	96.95	0.16	43.15
3.786	20.88	5.88	0.8	5.19	97.74	0.2	43.19
3.819	20.9	5.88	0.84	5.21	96.73	0.21	43.2
3.855	20.92	5.89	0.8	5.22	91.9	0.19	43.19
3.89	20.93	5.89	0.88	5.23	89.31	0.24	43.24
3.92	20.95	5.9	0.92	5.25	92.28	0.2	43.25
3.952	20.96	5.9	0.72	5.26	96.7	0.2	43.24
3.995	20.97	5.9	0.8	5.27	91.22	0.22	43.26
4.04	20.98	5.9	0.84	5.28	87.39	0.23	43.26
4.084	20.99	5.9	0.95	5.28	84.21	0.19	43.26
4.122	20.99	5.9	0.72	5.28	83.47	0.24	43.27
4.155	21.0	5.9	0.88	5.29	84.7	0.23	43.27
4.179	21.0	5.9	0.8	5.29	88.24	0.22	43.27
4.196	21.0	5.91	0.72	5.29	86.44	0.2	43.27
4.212	21.0	5.91	0.92	5.29	83.24	0.28	43.27
4.243	21.0	5.91	0.72	5.3	82.01	0.21	43.28
4.291	21.0	5.91	0.88	5.34	79.8	0.27	43.28
4.342	21.0	5.91	0.72	5.39	78.3	0.25	43.28
4.379	21.0	5.91	0.65	5.44	78.01	0.21	43.28
4.411	21.0	5.91	0.88	5.49	77.48	0.27	43.29
4.448	21.0	5.91	0.76	5.52	78.01	0.2	43.3
4.487	21.0	5.91	0.8	5.54	75.29	0.2	43.31

4.526	21.01	5.91	0.88	5.57	73.87	0.28	43.32
4.571	21.01	5.91	0.88	5.56	72.9	0.27	43.33
4.63	21.01	5.92	0.8	5.56	72.26	0.26	43.35
4.681	21.01	5.92	0.92	5.55	70.43	0.25	43.35
4.712	21.01	5.92	0.84	5.53	69.1	0.24	43.36
4.737	21.02	5.92	0.8	5.53	68.61	0.28	43.37
4.774	21.02	5.92	0.95	5.53	68.56	0.19	43.37
4.824	21.02	5.92	0.84	5.51	66.63	0.21	43.37
4.879	21.02	5.92	0.8	5.51	64.62	1.25	43.38
4.934	21.02	5.92	1.07	5.52	62.97	1.88	43.38
4.984	21.02	5.92	0.88	5.53	61.88	2.13	43.36
5.028	21.02	5.92	1.03	5.52	61.61	1.56	43.36
5.064	21.02	5.92	1.18	5.51	62.71	1.88	43.36
5.093	21.02	5.92	0.99	5.48	61.44	1.74	43.37
5.126	21.02	5.92	0.84	5.44	58.86	2.07	43.37
5.178	21.02	5.92	1.26	5.39	57.05	2.13	43.38
5.24	21.02	5.92	0.95	5.32	56.1	2.22	43.37
5.293	21.02	5.92	0.99	5.26	55.19	1.87	43.36
5.333	21.02	5.92	1.18	5.18	54.78	1.89	43.36
5.365	21.02	5.92	0.99	5.11	55.14	1.81	43.38
5.394	21.02	5.92	0.92	5.05	54.14	1.79	43.38
5.425	21.02	5.92	1.11	5.0	52.81	1.77	43.38
5.474	21.02	5.92	1.22	4.97	51.42	1.84	43.39
5.528	21.02	5.92	1.11	4.95	50.44	1.81	43.4
5.574	21.03	5.92	1.11	4.94	50.06	1.78	43.4
5.607	21.03	5.92	1.34	4.93	50.14	1.86	43.38
5.642	21.03	5.92	1.26	4.93	49.77	1.89	43.4
5.678	21.03	5.93	1.26	4.92	48.4	1.92	43.41
5.714	21.03	5.93	1.18	4.91	47.09	1.89	43.41
5.751	21.04	5.93	1.14	4.92	46.45	1.76	43.44
5.797	21.04	5.93	0.88	4.91	45.91	2.38	43.47
5.846	21.04	5.94	0.99	4.91	45.72	2.14	43.49
5.88	21.04	5.93	0.95	4.91	45.42	2.31	43.42
5.902	21.04	5.93	1.14	4.9	44.82	2.44	43.41
5.933	21.04	5.94	1.03	4.9	43.38	1.82	43.48
5.983	21.04	5.94	1.11	4.9	42.2	1.85	43.51
6.036	21.04	5.94	1.11	4.91	41.82	1.75	43.49
6.087	21.04	5.93	0.99	4.92	41.26	1.74	43.46
6.142	21.05	5.94	0.99	4.94	40.32	1.94	43.51
6.193	21.05	5.94	0.92	4.94	39.63	1.85	43.52
6.224	21.05	5.94	0.99	4.94	39.38	1.94	43.49
6.248	21.05	5.94	1.03	4.94	38.67	1.77	43.52
6.288	21.05	5.94	1.41	4.93	38.04	1.96	43.54
6.323	21.05	5.94	1.14	4.93	37.89	2.12	43.51
6.336	21.05	5.94	0.95	4.92	37.49	2.23	43.48
6.338	21.05	5.94	0.92	4.9	37.2	2.09	43.5
6.341	21.05	5.94	0.8	4.89	37.13	1.92	43.52
6.344	21.05	5.94	0.8	4.87	36.97	3.24	43.53
6.348	21.05	5.94	0.8	4.84	37.33	2.73	43.53
6.349	21.05	5.94	0.95	4.83	37.31	1.99	43.52



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	20.84	5.9	0.04	4.9	37.24	0.08	43.34
PROF (metros)	0.328	0.288	0.288	5.514	5.509	1.991	3.176
MÁXIMO	20.88	20.88	1.64	5.6	1289.2	1.94	43.39
PROF (metros)	0.297	0.288	2.85	0.297	0.288	0.308	0.288

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

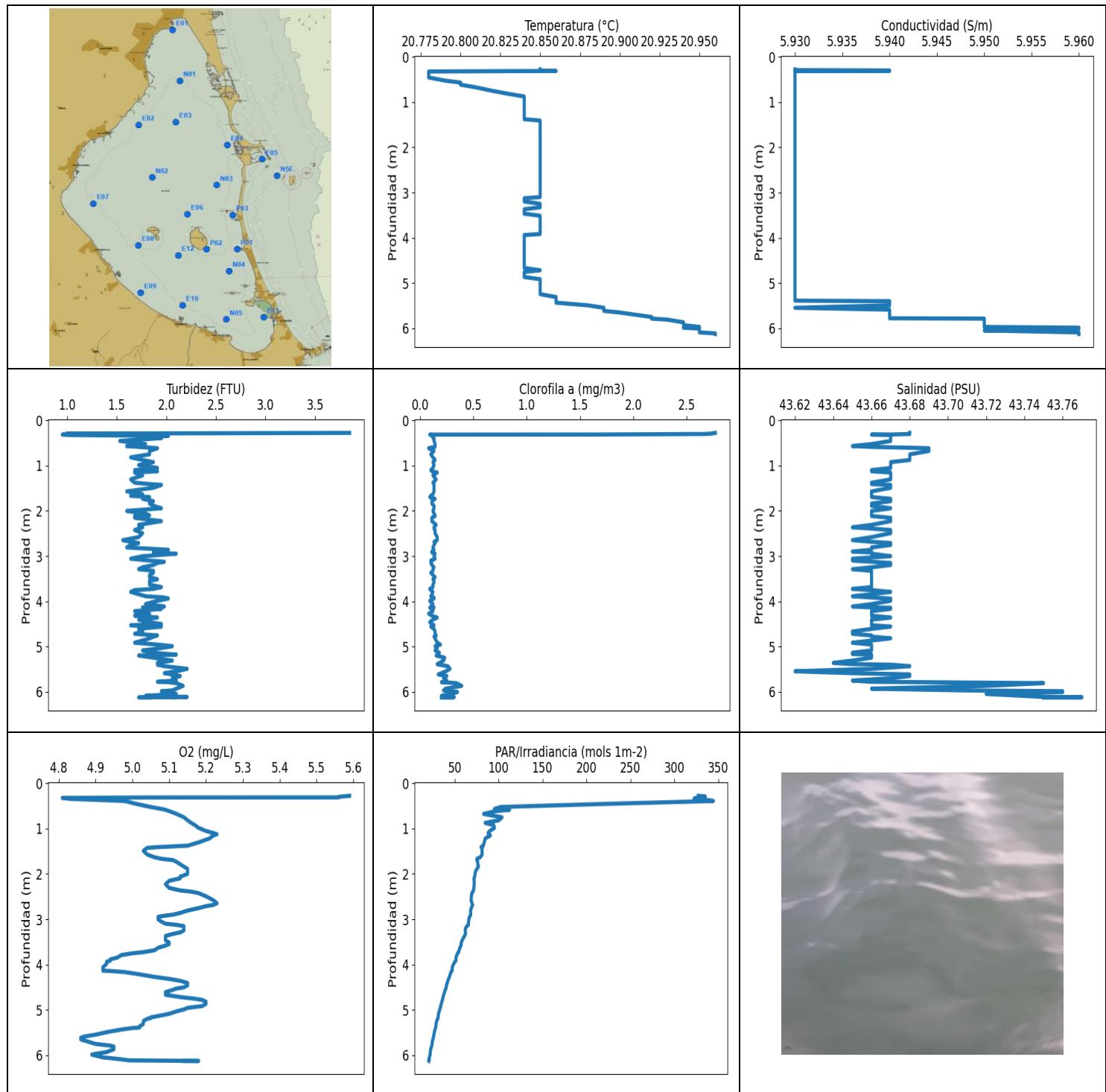
CTD E02 - Punto 004	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.85	5.9	0.29	5.21	837.52	0.49	43.37
1 - 2m	20.86	5.9	0.99	5.12	138.98	0.11	43.36
2 - 3m	20.87	5.9	1.08	5.13	100.15	0.12	43.36
3 - 4m	20.87	5.9	1.09	5.21	75.29	0.12	43.35
4 - 5m	20.87	5.9	1.11	5.16	52.86	0.14	43.35
5 - 6m	20.87	5.9	1.04	5.04	40.06	0.2	43.37

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.288	20.87	5.9	0.04	5.58	1289.2	1.92	43.39
0.297	20.88	5.9	0.08	5.6	1268.1	1.87	43.38
0.303	20.87	5.9	0.08	5.6	1282.3	1.39	43.39
0.308	20.87	5.9	0.04	5.51	1263.4	1.94	43.37
0.312	20.86	5.9	0.08	5.07	1258.4	0.11	43.37
0.314	20.85	5.9	0.08	5.03	1231.6	0.12	43.38
0.315	20.84	5.9	0.08	5.04	1230.8	0.12	43.37
0.328	20.84	5.9	0.04	5.04	1272.8	0.11	43.38
0.334	20.84	5.9	0.08	5.01	1268.4	0.12	43.38
0.365	20.84	5.9	0.11	5.01	1284.4	0.11	43.38
0.491	20.84	5.9	0.08	5.05	1134.6	0.11	43.37
0.55	20.84	5.9	0.11	5.08	218.45	0.13	43.37
0.608	20.84	5.9	0.08	5.11	222.18	0.14	43.37
0.706	20.84	5.9	0.5	5.21	161.55	0.11	43.38
0.753	20.85	5.9	0.88	5.24	175.28	0.1	43.37
0.818	20.85	5.9	1.41	5.24	173.66	0.12	43.38
0.901	20.85	5.9	0.76	5.22	191.64	0.1	43.37
0.965	20.86	5.9	0.65	5.19	148.51	0.11	43.35
1.016	20.86	5.9	0.8	5.15	177.98	0.1	43.36
1.065	20.86	5.9	1.11	5.11	165.26	0.13	43.37
1.105	20.86	5.9	0.92	5.08	162.11	0.13	43.36
1.146	20.86	5.9	1.3	5.06	143.4	0.13	43.36
1.199	20.86	5.9	0.84	5.05	150.94	0.13	43.36
1.248	20.86	5.9	0.99	5.06	148.31	0.1	43.36
1.289	20.86	5.9	0.92	5.09	151.61	0.11	43.36
1.331	20.86	5.9	0.95	5.12	144.37	0.11	43.36
1.369	20.86	5.9	1.11	5.13	144.87	0.11	43.35
1.411	20.86	5.9	0.99	5.14	152.77	0.09	43.36
1.457	20.86	5.9	1.03	5.15	136.59	0.1	43.36
1.506	20.86	5.9	1.03	5.16	133.96	0.14	43.36
1.554	20.86	5.9	0.95	5.16	135.27	0.09	43.35
1.602	20.86	5.9	0.95	5.16	131.8	0.12	43.36
1.643	20.86	5.9	0.84	5.16	138.89	0.13	43.36
1.68	20.86	5.9	1.11	5.16	132.17	0.12	43.36
1.72	20.86	5.9	1.03	5.16	123.01	0.1	43.36
1.763	20.86	5.9	0.84	5.14	128.72	0.11	43.36

1.815	20.86	5.9	1.22	5.13	123.92	0.14	43.36
1.867	20.86	5.9	0.95	5.12	125.37	0.1	43.36
1.918	20.86	5.9	1.03	5.13	114.45	0.13	43.36
1.958	20.87	5.9	1.03	5.13	110.51	0.11	43.35
1.991	20.87	5.9	0.92	5.13	120.16	0.08	43.36
2.028	20.87	5.9	1.22	5.13	114.98	0.14	43.37
2.069	20.87	5.9	1.11	5.12	110.41	0.1	43.36
2.118	20.86	5.9	0.95	5.13	111.73	0.11	43.36
2.17	20.87	5.9	1.03	5.15	113.97	0.13	43.35
2.222	20.87	5.9	1.07	5.15	106.0	0.1	43.35
2.269	20.87	5.9	1.03	5.15	104.46	0.11	43.35
2.309	20.87	5.9	1.3	5.16	104.88	0.11	43.36
2.345	20.87	5.9	1.11	5.16	103.62	0.11	43.36
2.383	20.87	5.9	1.03	5.17	104.56	0.13	43.36
2.42	20.87	5.9	1.03	5.17	102.14	0.13	43.35
2.451	20.87	5.9	0.95	5.17	103.59	0.11	43.35
2.489	20.87	5.9	1.11	5.15	100.75	0.09	43.36
2.532	20.87	5.9	1.07	5.12	97.51	0.11	43.35
2.577	20.87	5.9	1.22	5.09	100.94	0.14	43.36
2.615	20.87	5.9	1.03	5.06	97.49	0.13	43.35
2.651	20.87	5.9	0.99	5.03	93.05	0.11	43.36
2.695	20.87	5.9	0.95	5.01	94.03	0.12	43.36
2.733	20.87	5.9	1.11	5.01	94.95	0.15	43.35
2.77	20.87	5.9	1.11	5.04	93.75	0.11	43.35
2.813	20.87	5.9	0.92	5.09	93.05	0.09	43.36
2.85	20.87	5.9	1.64	5.14	90.38	0.14	43.35
2.888	20.87	5.9	0.99	5.18	90.31	0.14	43.35
2.931	20.87	5.9	0.99	5.23	89.94	0.11	43.36
2.974	20.87	5.9	1.03	5.26	87.23	0.14	43.35
3.011	20.87	5.9	0.95	5.28	87.17	0.1	43.35
3.046	20.87	5.9	1.03	5.29	86.46	0.14	43.35
3.091	20.87	5.9	1.18	5.29	85.43	0.12	43.36
3.139	20.87	5.9	1.22	5.29	85.07	0.11	43.35
3.176	20.87	5.9	1.26	5.29	83.74	0.11	43.34
3.211	20.87	5.9	1.18	5.28	83.14	0.13	43.36
3.251	20.87	5.9	1.11	5.26	81.48	0.11	43.36
3.29	20.87	5.9	0.95	5.24	80.11	0.13	43.35
3.332	20.87	5.9	0.99	5.23	78.86	0.12	43.35
3.372	20.87	5.9	0.99	5.22	78.31	0.11	43.35
3.415	20.87	5.9	1.11	5.21	76.72	0.09	43.36
3.456	20.87	5.9	1.11	5.21	76.15	0.09	43.35
3.488	20.87	5.9	0.99	5.21	75.57	0.12	43.35
3.522	20.87	5.9	1.18	5.21	74.98	0.1	43.36
3.564	20.87	5.9	1.03	5.22	73.65	0.12	43.35
3.612	20.87	5.9	1.18	5.21	71.81	0.11	43.35
3.663	20.87	5.9	1.11	5.2	70.66	0.14	43.36
3.713	20.87	5.9	1.14	5.19	69.58	0.12	43.35
3.75	20.87	5.9	1.3	5.18	69.08	0.1	43.34
3.788	20.87	5.9	1.03	5.16	67.91	0.13	43.36
3.824	20.87	5.9	1.11	5.14	67.21	0.13	43.35
3.859	20.87	5.9	1.03	5.13	66.26	0.13	43.35
3.903	20.87	5.9	1.11	5.12	65.47	0.13	43.36
3.95	20.87	5.9	1.03	5.1	64.16	0.12	43.35
3.996	20.87	5.9	0.88	5.09	63.28	0.13	43.35
4.037	20.87	5.9	1.07	5.09	62.06	0.13	43.35
4.082	20.87	5.9	1.22	5.11	61.14	0.11	43.36
4.129	20.87	5.9	1.22	5.12	60.0	0.11	43.35
4.171	20.87	5.9	1.07	5.14	59.37	0.1	43.35

4.216	20.87	5.9	1.14	5.16	58.58	0.14	43.36
4.266	20.87	5.9	1.11	5.19	57.33	0.11	43.35
4.309	20.87	5.9	1.18	5.22	56.68	0.13	43.35
4.349	20.87	5.9	1.14	5.24	55.94	0.13	43.35
4.389	20.87	5.9	1.03	5.27	55.09	0.1	43.36
4.428	20.87	5.9	0.95	5.28	54.11	0.1	43.35
4.468	20.87	5.9	1.11	5.29	53.48	0.14	43.35
4.502	20.87	5.9	1.18	5.29	52.9	0.14	43.35
4.538	20.87	5.9	1.26	5.29	52.23	0.13	43.36
4.586	20.87	5.9	1.03	5.26	51.09	0.16	43.36
4.628	20.87	5.9	1.22	5.22	50.84	0.13	43.35
4.657	20.87	5.9	1.11	5.18	50.59	0.16	43.35
4.686	20.87	5.9	1.11	5.14	49.72	0.18	43.37
4.724	20.87	5.9	0.95	5.09	48.88	0.19	43.36
4.761	20.87	5.9	0.95	5.04	48.2	0.18	43.35
4.801	20.87	5.9	1.18	5.03	47.7	0.19	43.36
4.85	20.87	5.9	1.11	5.03	46.51	0.13	43.37
4.904	20.87	5.9	0.99	5.02	45.73	0.15	43.36
4.947	20.87	5.9	1.22	5.01	45.48	0.19	43.35
4.982	20.87	5.9	0.99	5.01	44.94	0.14	43.36
5.02	20.87	5.9	1.03	5.01	44.37	0.19	43.37
5.065	20.87	5.9	1.11	5.02	43.46	0.22	43.36
5.116	20.87	5.9	1.07	5.02	42.79	0.17	43.37
5.169	20.87	5.9	0.99	5.05	41.85	0.17	43.37
5.217	20.87	5.9	0.88	5.07	41.2	0.19	43.37
5.26	20.87	5.9	1.11	5.1	40.69	0.2	43.37
5.304	20.87	5.9	1.26	5.11	40.3	0.18	43.38
5.347	20.87	5.9	1.14	5.11	39.63	0.22	43.38
5.395	20.87	5.9	1.14	5.12	38.93	0.2	43.37
5.448	20.87	5.9	1.14	5.11	38.2	0.2	43.38
5.491	20.87	5.9	1.14	5.1	37.52	0.22	43.37
5.509	20.87	5.9	0.88	4.96	37.24	0.24	43.38
5.51	20.87	5.9	0.88	4.93	37.25	0.2	43.37
5.514	20.87	5.9	0.8	4.9	37.41	0.16	43.37



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

	Temp. ($^{\circ}\text{C}$)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m^{-2})	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	20.78	5.93	0.95	4.81	20.38	0.08	43.62
PROF (metros)	0.326	0.279	0.317	0.326	6.117	0.617	5.545
MÁXIMO	20.96	20.96	3.85	5.59	344.47	2.77	43.77
PROF (metros)	6.111	5.985	0.279	0.279	0.394	0.279	6.114

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS 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	20.82	5.93	1.72	5.15	208.54	0.59	43.67
1 - 2m	20.85	5.93	1.79	5.13	81.19	0.12	43.66
2 - 3m	20.85	5.93	1.76	5.15	70.24	0.13	43.66
3 - 4m	20.85	5.93	1.83	5.06	58.15	0.12	43.66
4 - 5m	20.84	5.93	1.82	5.09	40.32	0.13	43.66
5 - 6m	20.89	5.94	2.0	4.97	26.96	0.22	43.67
6 - 7m	20.96	5.96	1.94	5.06	20.77	0.27	43.75

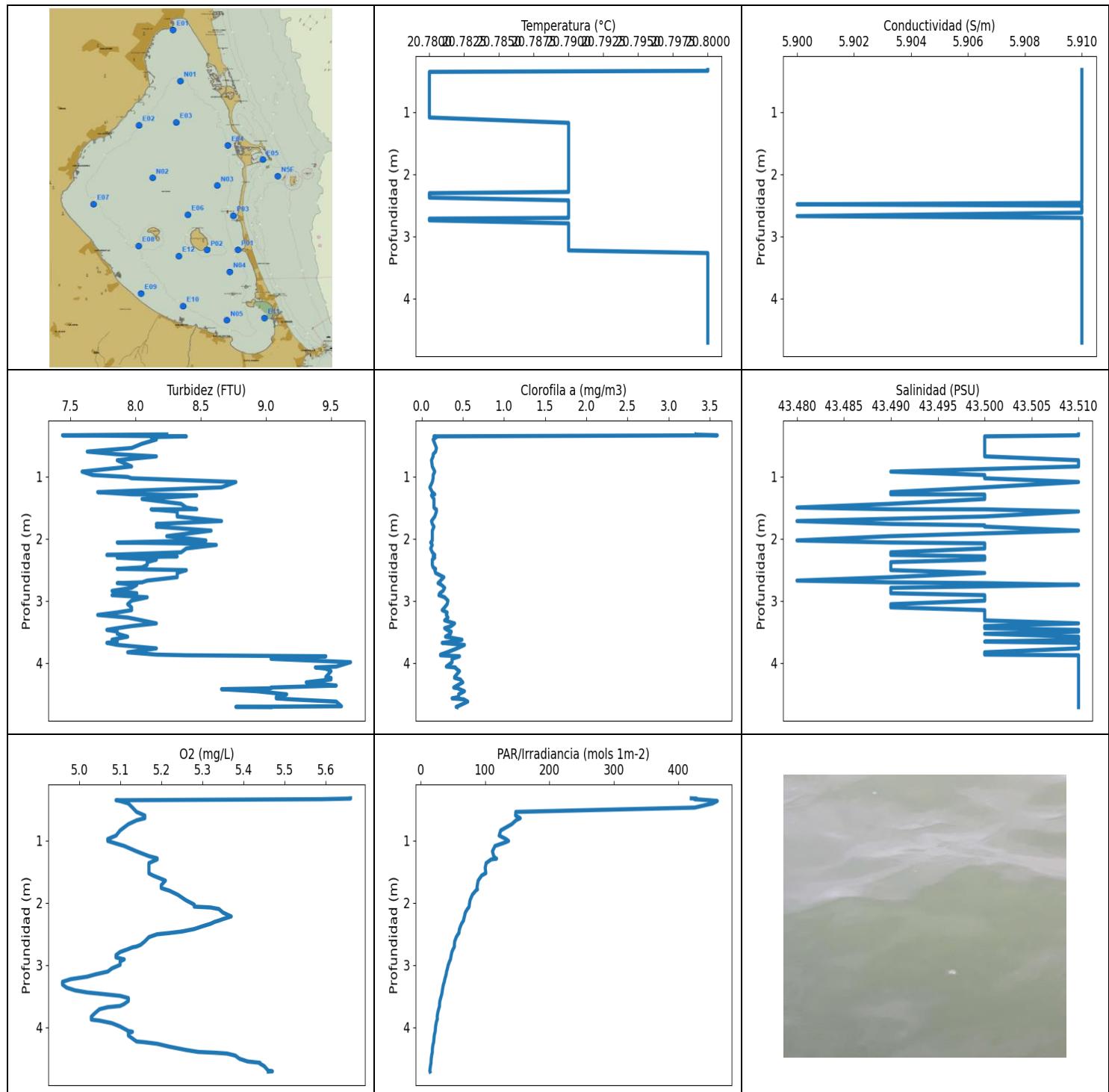
OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.279	20.85	5.93	3.85	5.59	327.35	2.77	43.68
0.295	20.85	5.93	0.99	5.57	335.33	2.73	43.68
0.303	20.85	5.94	1.45	5.56	328.87	2.67	43.68
0.315	20.86	5.94	1.11	5.56	327.27	1.68	43.67
0.317	20.83	5.93	0.95	5.01	326.82	0.09	43.66
0.326	20.78	5.93	1.03	4.81	324.33	0.12	43.67
0.346	20.78	5.93	2.02	4.83	322.3	0.11	43.67
0.38	20.78	5.93	1.79	4.94	341.61	0.12	43.67
0.394	20.78	5.93	1.95	4.98	344.47	0.13	43.67
0.457	20.78	5.93	1.53	5.01	223.68	0.13	43.67
0.526	20.79	5.93	1.79	5.05	102.57	0.14	43.66
0.57	20.8	5.93	1.6	5.08	95.17	0.14	43.65
0.588	20.8	5.93	1.72	5.09	112.5	0.14	43.66
0.617	20.8	5.93	1.91	5.1	96.93	0.08	43.69
0.678	20.81	5.93	1.83	5.12	82.97	0.13	43.69
0.753	20.82	5.93	1.83	5.14	103.93	0.1	43.68
0.819	20.83	5.93	1.64	5.15	100.22	0.12	43.68
0.877	20.84	5.93	1.76	5.16	84.72	0.14	43.68
0.925	20.84	5.93	1.87	5.17	94.44	0.12	43.67
0.988	20.84	5.93	1.72	5.18	95.37	0.13	43.67
1.054	20.84	5.93	1.91	5.2	90.0	0.12	43.67
1.101	20.84	5.93	1.68	5.22	88.02	0.1	43.66
1.127	20.84	5.93	1.91	5.23	89.85	0.11	43.66
1.154	20.84	5.93	1.68	5.22	90.69	0.16	43.67
1.218	20.84	5.93	1.76	5.21	84.93	0.12	43.67
1.306	20.84	5.93	1.64	5.18	83.66	0.15	43.67
1.379	20.84	5.93	1.68	5.15	82.64	0.12	43.66
1.41	20.85	5.93	1.83	5.07	80.0	0.13	43.66
1.428	20.85	5.93	1.95	5.04	81.35	0.13	43.67
1.491	20.85	5.93	1.87	5.03	81.14	0.13	43.67
1.571	20.85	5.93	1.6	5.04	81.37	0.13	43.66
1.634	20.85	5.93	1.76	5.06	79.21	0.12	43.66
1.669	20.85	5.93	1.64	5.08	75.32	0.1	43.66
1.696	20.85	5.93	1.83	5.11	75.29	0.09	43.66
1.735	20.85	5.93	1.76	5.12	76.27	0.14	43.67

1.788	20.85	5.93	1.87	5.13	76.41	0.11	43.67
1.84	20.85	5.93	1.83	5.14	77.18	0.11	43.66
1.889	20.85	5.93	1.87	5.15	75.41	0.13	43.66
1.944	20.85	5.93	1.95	5.15	73.77	0.13	43.67
2.003	20.85	5.93	1.6	5.15	73.26	0.12	43.66
2.06	20.85	5.93	1.79	5.13	72.83	0.13	43.66
2.099	20.85	5.93	1.83	5.13	72.01	0.14	43.66
2.116	20.85	5.93	1.68	5.12	72.08	0.14	43.66
2.154	20.85	5.93	1.68	5.1	72.3	0.11	43.67
2.228	20.85	5.93	1.95	5.09	72.26	0.11	43.67
2.31	20.85	5.93	1.72	5.1	71.9	0.15	43.66
2.365	20.85	5.93	1.76	5.13	71.55	0.13	43.65
2.392	20.85	5.93	1.72	5.16	70.77	0.13	43.66
2.425	20.85	5.93	1.68	5.18	69.54	0.14	43.67
2.494	20.85	5.93	1.76	5.2	69.18	0.14	43.67
2.581	20.85	5.93	1.72	5.22	68.67	0.16	43.66
2.648	20.85	5.93	1.56	5.23	69.84	0.16	43.65
2.684	20.85	5.93	1.64	5.22	70.51	0.13	43.66
2.712	20.85	5.93	1.72	5.2	69.94	0.14	43.67
2.755	20.85	5.93	1.64	5.18	68.89	0.13	43.67
2.809	20.85	5.93	1.6	5.15	68.23	0.12	43.66
2.861	20.85	5.93	2.02	5.13	68.21	0.13	43.66
2.9	20.85	5.93	1.87	5.11	68.27	0.11	43.65
2.92	20.85	5.93	1.87	5.09	67.94	0.11	43.66
2.947	20.85	5.93	2.1	5.07	66.88	0.14	43.66
3.003	20.85	5.93	1.76	5.07	66.23	0.13	43.67
3.058	20.85	5.93	1.64	5.08	65.83	0.14	43.65
3.099	20.85	5.93	1.83	5.09	65.65	0.1	43.65
3.125	20.84	5.93	1.98	5.12	65.68	0.11	43.66
3.152	20.84	5.93	1.91	5.14	64.03	0.1	43.67
3.197	20.84	5.93	1.87	5.14	62.44	0.11	43.67
3.248	20.85	5.93	1.76	5.14	62.07	0.13	43.66
3.29	20.85	5.93	1.72	5.13	62.36	0.12	43.65
3.325	20.85	5.93	1.87	5.11	62.29	0.12	43.66
3.368	20.84	5.93	1.87	5.09	61.31	0.1	43.66
3.418	20.84	5.93	1.83	5.09	59.84	0.12	43.66
3.467	20.84	5.93	1.83	5.09	58.6	0.14	43.66
3.512	20.85	5.93	1.91	5.1	57.53	0.12	43.66
3.549	20.85	5.93	1.83	5.1	57.47	0.13	43.66
3.581	20.85	5.93	1.83	5.09	57.22	0.13	43.66
3.631	20.85	5.93	1.83	5.07	55.92	0.12	43.66
3.685	20.85	5.93	1.95	5.06	55.11	0.12	43.66
3.725	20.85	5.93	1.87	5.03	54.54	0.09	43.65
3.752	20.85	5.93	1.68	5.0	53.34	0.1	43.66
3.791	20.85	5.93	1.64	4.97	52.48	0.12	43.67
3.843	20.85	5.93	1.72	4.96	51.55	0.11	43.66
3.887	20.85	5.93	1.79	4.94	51.65	0.1	43.65
3.915	20.85	5.93	1.98	4.94	51.47	0.13	43.66
3.938	20.84	5.93	2.02	4.93	50.32	0.13	43.67
3.988	20.84	5.93	1.91	4.93	48.86	0.09	43.67
4.06	20.84	5.93	1.79	4.92	47.26	0.12	43.66
4.114	20.84	5.93	1.98	4.92	47.21	0.1	43.65
4.134	20.84	5.93	1.76	4.92	47.25	0.13	43.66
4.141	20.84	5.93	1.83	4.94	46.68	0.09	43.67
4.166	20.84	5.93	1.95	4.98	45.9	0.12	43.67
4.216	20.84	5.93	1.68	5.02	44.94	0.12	43.66
4.272	20.84	5.93	1.83	5.06	44.09	0.08	43.66
4.316	20.84	5.93	1.68	5.1	43.11	0.11	43.66

4.358	20.84	5.93	1.91	5.13	42.28	0.16	43.67
4.405	20.84	5.93	1.72	5.15	41.6	0.12	43.66
4.459	20.84	5.93	1.83	5.15	40.62	0.09	43.66
4.502	20.84	5.93	1.95	5.14	40.45	0.11	43.66
4.527	20.84	5.93	1.64	5.12	40.19	0.13	43.66
4.557	20.84	5.93	1.95	5.11	39.26	0.1	43.67
4.608	20.84	5.93	1.72	5.09	38.49	0.13	43.66
4.666	20.84	5.93	1.76	5.09	37.62	0.14	43.65
4.716	20.85	5.93	1.68	5.13	36.84	0.14	43.65
4.753	20.84	5.93	1.91	5.17	36.48	0.15	43.66
4.78	20.84	5.93	1.87	5.19	36.0	0.13	43.66
4.817	20.84	5.93	1.83	5.2	35.57	0.14	43.67
4.865	20.84	5.93	1.76	5.2	34.71	0.15	43.66
4.914	20.85	5.93	1.68	5.19	34.26	0.16	43.65
4.955	20.85	5.93	1.91	5.15	33.67	0.19	43.66
4.989	20.85	5.93	2.06	5.14	33.18	0.14	43.66
5.031	20.85	5.93	1.95	5.12	32.41	0.16	43.66
5.085	20.85	5.93	1.76	5.1	31.63	0.14	43.66
5.134	20.85	5.93	1.87	5.07	31.39	0.18	43.65
5.164	20.85	5.93	2.02	5.05	31.13	0.17	43.65
5.177	20.85	5.93	2.1	5.05	31.2	0.17	43.66
5.197	20.85	5.93	1.72	5.04	30.68	0.15	43.66
5.244	20.85	5.93	1.87	5.03	29.58	0.23	43.66
5.308	20.86	5.93	2.06	5.03	28.87	0.22	43.65
5.36	20.86	5.93	1.91	5.02	28.56	0.18	43.64
5.387	20.86	5.93	1.95	5.02	28.54	0.16	43.65
5.399	20.86	5.94	1.91	5.0	28.34	0.18	43.67
5.432	20.86	5.94	1.98	4.97	27.62	0.26	43.68
5.491	20.88	5.94	2.21	4.93	26.92	0.28	43.66
5.545	20.89	5.93	2.1	4.9	26.43	0.24	43.62
5.586	20.89	5.94	1.98	4.87	26.17	0.2	43.65
5.614	20.89	5.94	2.06	4.86	25.7	0.17	43.68
5.649	20.9	5.94	2.14	4.86	25.28	0.25	43.68
5.699	20.91	5.94	2.06	4.88	24.65	0.22	43.67
5.749	20.92	5.94	2.1	4.9	24.3	0.25	43.65
5.777	20.92	5.94	1.91	4.93	24.29	0.23	43.66
5.784	20.92	5.95	2.02	4.94	24.17	0.2	43.68
5.807	20.93	5.95	2.1	4.95	23.64	0.34	43.75
5.866	20.94	5.95	2.17	4.95	22.8	0.39	43.72
5.929	20.94	5.95	2.1	4.93	22.3	0.24	43.66
5.968	20.95	5.95	2.06	4.9	22.15	0.22	43.71
5.985	20.94	5.96	1.95	4.89	22.16	0.28	43.76
6.004	20.95	5.96	2.02	4.9	21.83	0.35	43.76
6.045	20.95	5.95	2.1	4.92	21.28	0.28	43.72
6.088	20.95	5.96	1.79	4.97	20.88	0.2	43.74
6.111	20.96	5.96	2.21	4.99	20.69	0.22	43.75
6.114	20.96	5.96	2.06	5.04	20.53	0.32	43.77
6.117	20.96	5.96	2.1	5.1	20.38	0.28	43.75
6.12	20.96	5.96	1.76	5.15	20.38	0.24	43.76
6.123	20.96	5.96	1.72	5.17	20.46	0.31	43.77
6.124	20.96	5.96	1.79	5.18	20.6	0.3	43.76
6.125	20.96	5.96	1.83	5.14	20.64	0.2	43.75



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.78	5.9	7.44	4.96	14.14	0.1	43.48
PROF (metros)	0.356	2.487	0.339	3.27	4.697	1.176	1.501
MÁXIMO	20.8	20.8	9.65	5.66	460.66	3.59	43.51
PROF (metros)	0.325	0.325	3.988	0.325	0.368	0.339	0.325

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

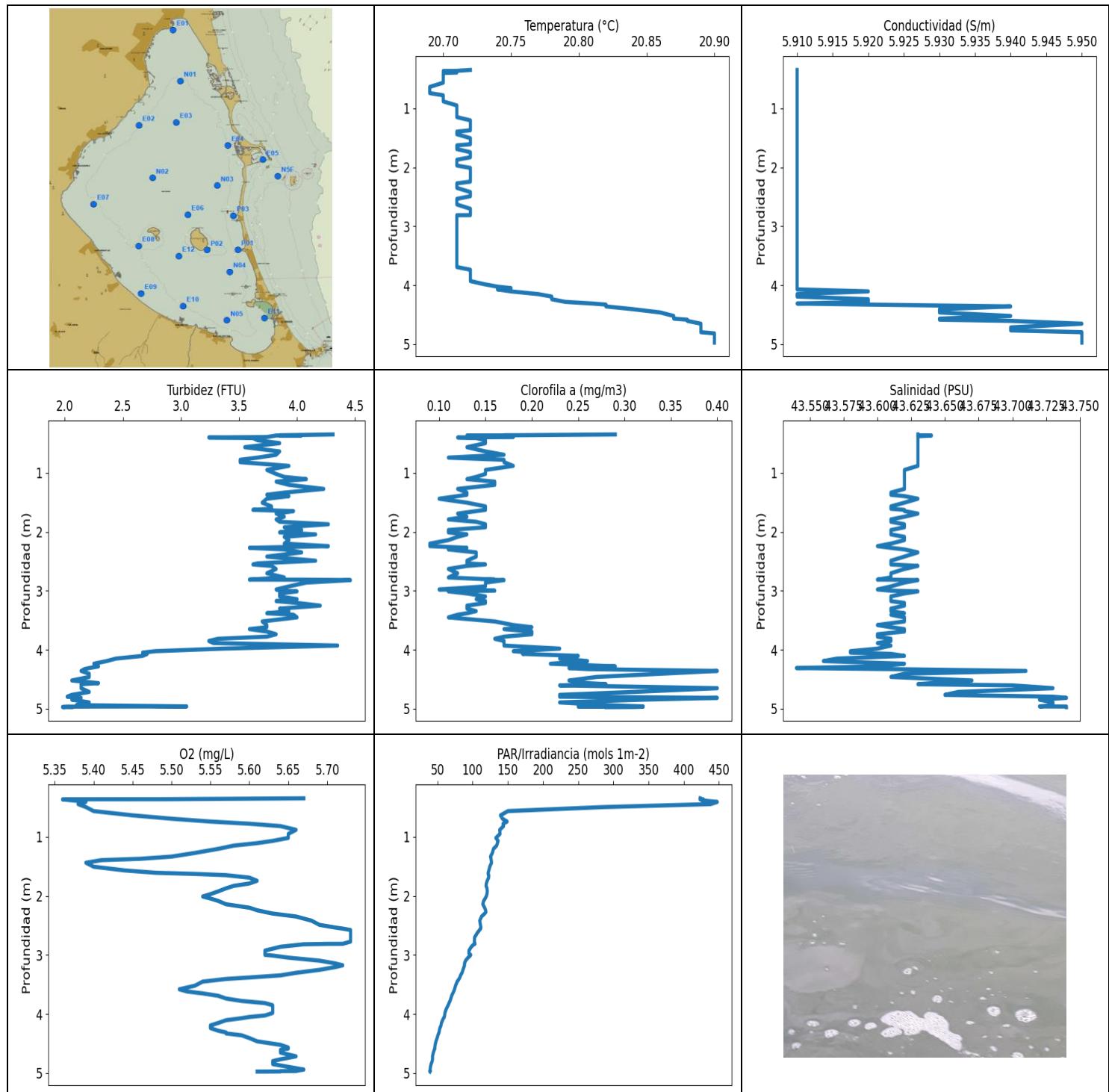
CTD E07 - Punto 006	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.78	5.91	7.94	5.22	278.66	0.8	43.5
1 - 2m	20.79	5.91	8.27	5.18	102.14	0.14	43.5
2 - 3m	20.79	5.91	8.11	5.22	58.74	0.18	43.49
3 - 4m	20.8	5.91	8.12	5.05	31.4	0.34	43.5
4 - 5m	20.8	5.91	9.25	5.3	17.9	0.44	43.51

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.325	20.8	5.91	8.24	5.66	420.26	3.33	43.51
0.329	20.8	5.91	7.97	5.66	428.52	3.34	43.51
0.339	20.8	5.91	7.44	5.59	425.55	3.59	43.51
0.356	20.78	5.91	8.39	5.09	448.65	0.15	43.5
0.368	20.78	5.91	8.12	5.1	460.66	0.18	43.5
0.407	20.78	5.91	8.16	5.12	453.14	0.14	43.5
0.474	20.78	5.91	8.05	5.13	425.55	0.16	43.5
0.543	20.78	5.91	7.97	5.14	147.72	0.18	43.5
0.601	20.78	5.91	7.63	5.16	147.31	0.17	43.5
0.644	20.78	5.91	7.86	5.16	154.55	0.14	43.5
0.678	20.78	5.91	8.16	5.14	147.93	0.14	43.5
0.74	20.78	5.91	7.86	5.12	141.39	0.12	43.51
0.84	20.78	5.91	7.97	5.1	124.32	0.13	43.51
0.923	20.78	5.91	7.59	5.09	121.84	0.16	43.49
0.978	20.78	5.91	7.67	5.07	132.48	0.14	43.5
1.009	20.78	5.91	7.94	5.07	136.4	0.14	43.5
1.03	20.78	5.91	7.97	5.08	131.83	0.14	43.5
1.09	20.78	5.91	8.77	5.11	115.33	0.13	43.51
1.176	20.79	5.91	8.66	5.14	111.36	0.1	43.5
1.253	20.79	5.91	7.71	5.17	113.4	0.13	43.49
1.288	20.79	5.91	7.97	5.19	116.32	0.16	43.49
1.292	20.79	5.91	8.12	5.19	117.82	0.13	43.5
1.306	20.79	5.91	8.47	5.19	109.39	0.12	43.5
1.364	20.79	5.91	8.05	5.17	101.67	0.15	43.5
1.441	20.79	5.91	8.35	5.17	100.12	0.15	43.49
1.501	20.79	5.91	8.39	5.17	100.82	0.15	43.48
1.528	20.79	5.91	8.47	5.17	101.03	0.17	43.49
1.53	20.79	5.91	8.12	5.17	100.17	0.18	43.5
1.564	20.79	5.91	8.32	5.18	94.64	0.18	43.51
1.645	20.79	5.91	8.32	5.21	89.21	0.16	43.5
1.718	20.79	5.91	8.66	5.2	87.94	0.12	43.48
1.765	20.79	5.91	8.16	5.2	87.33	0.13	43.49
1.787	20.79	5.91	8.24	5.21	88.12	0.14	43.5
1.808	20.79	5.91	8.16	5.22	85.39	0.15	43.5
1.872	20.79	5.91	8.58	5.24	80.19	0.13	43.51
1.961	20.79	5.91	8.24	5.26	76.57	0.13	43.49
2.03	20.79	5.91	8.54	5.28	75.53	0.13	43.48

2.063	20.79	5.91	7.86	5.28	75.11	0.11	43.49
2.077	20.79	5.91	8.35	5.32	74.56	0.12	43.5
2.102	20.79	5.91	8.62	5.34	72.43	0.13	43.5
2.159	20.79	5.91	8.39	5.35	69.26	0.11	43.5
2.221	20.79	5.91	8.35	5.37	67.88	0.13	43.49
2.263	20.79	5.91	7.78	5.35	66.86	0.16	43.49
2.287	20.79	5.91	8.32	5.34	66.43	0.14	43.5
2.307	20.78	5.91	7.86	5.33	65.2	0.16	43.5
2.338	20.78	5.91	8.16	5.32	63.38	0.13	43.5
2.379	20.78	5.91	8.09	5.3	61.71	0.13	43.49
2.423	20.79	5.91	8.09	5.28	60.21	0.13	43.49
2.463	20.79	5.91	8.05	5.25	59.55	0.14	43.49
2.487	20.79	5.9	7.86	5.22	59.36	0.17	43.49
2.507	20.79	5.91	8.39	5.19	57.87	0.16	43.49
2.553	20.79	5.91	8.32	5.17	55.18	0.17	43.5
2.621	20.79	5.91	8.32	5.16	52.75	0.27	43.49
2.676	20.79	5.9	8.09	5.15	52.24	0.23	43.48
2.704	20.79	5.91	8.05	5.14	52.32	0.21	43.49
2.717	20.78	5.91	7.86	5.13	51.79	0.2	43.5
2.744	20.78	5.91	8.01	5.12	50.35	0.24	43.51
2.792	20.79	5.91	7.97	5.1	48.34	0.28	43.49
2.841	20.79	5.91	7.82	5.09	47.35	0.26	43.49
2.879	20.79	5.91	8.01	5.09	46.73	0.22	43.49
2.91	20.79	5.91	7.82	5.11	46.18	0.21	43.5
2.944	20.79	5.91	8.09	5.1	44.66	0.28	43.5
2.998	20.79	5.91	7.97	5.1	42.8	0.32	43.5
3.055	20.79	5.91	7.94	5.08	41.51	0.31	43.49
3.106	20.79	5.91	7.97	5.07	40.14	0.28	43.49
3.151	20.79	5.91	7.97	5.04	39.45	0.25	43.5
3.188	20.79	5.91	7.86	5.02	38.48	0.31	43.5
3.228	20.79	5.91	7.71	4.98	37.4	0.3	43.5
3.27	20.8	5.91	7.94	4.96	36.58	0.32	43.5
3.316	20.8	5.91	8.05	4.96	35.17	0.28	43.5
3.364	20.8	5.91	8.16	4.97	34.26	0.4	43.51
3.407	20.8	5.91	7.97	4.99	33.55	0.36	43.5
3.441	20.8	5.91	7.86	5.02	33.12	0.28	43.5
3.468	20.8	5.91	7.78	5.06	32.69	0.31	43.51
3.496	20.8	5.91	7.86	5.1	31.87	0.36	43.51
3.531	20.8	5.91	7.86	5.12	30.95	0.35	43.5
3.578	20.8	5.91	7.94	5.12	29.73	0.29	43.51
3.626	20.8	5.91	7.82	5.11	29.18	0.49	43.51
3.658	20.8	5.91	7.86	5.1	29.16	0.37	43.5
3.677	20.8	5.91	7.78	5.07	28.77	0.25	43.51
3.71	20.8	5.91	7.86	5.05	27.76	0.52	43.51
3.766	20.8	5.91	8.16	5.04	26.45	0.43	43.51
3.829	20.8	5.91	7.94	5.03	25.55	0.31	43.5
3.866	20.8	5.91	8.16	5.03	25.78	0.23	43.5
3.877	20.8	5.91	8.39	5.03	25.63	0.23	43.51
3.893	20.8	5.91	9.46	5.05	24.89	0.46	43.51
3.934	20.8	5.91	9.04	5.08	23.89	0.37	43.51
3.988	20.8	5.91	9.65	5.1	23.09	0.37	43.51
4.059	20.8	5.91	9.54	5.12	22.51	0.3	43.51
4.072	20.8	5.91	9.38	5.13	22.33	0.41	43.51
4.092	20.8	5.91	9.46	5.12	21.81	0.42	43.51
4.132	20.8	5.91	9.5	5.12	20.98	0.46	43.51
4.228	20.8	5.91	9.46	5.14	20.15	0.4	43.51
4.24	20.8	5.91	9.5	5.16	20.03	0.4	43.51
4.265	20.8	5.91	9.5	5.19	19.3	0.47	43.51

4.312	20.8	5.91	9.31	5.22	18.47	0.5	43.51
4.364	20.8	5.91	9.54	5.26	18.03	0.43	43.51
4.396	20.8	5.91	9.04	5.29	17.97	0.39	43.51
4.408	20.8	5.91	9.04	5.33	17.95	0.44	43.51
4.422	20.8	5.91	8.66	5.36	17.56	0.46	43.51
4.455	20.8	5.91	8.93	5.38	16.91	0.52	43.51
4.505	20.8	5.91	9.16	5.39	16.29	0.45	43.51
4.549	20.8	5.91	9.08	5.41	15.97	0.45	43.51
4.57	20.8	5.91	9.08	5.44	16.04	0.37	43.51
4.585	20.8	5.91	9.19	5.44	15.7	0.51	43.51
4.622	20.8	5.91	9.54	5.45	15.1	0.56	43.51
4.697	20.8	5.91	9.58	5.46	14.14	0.44	43.51
4.707	20.8	5.91	8.77	5.47	14.27	0.42	43.51
4.711	20.8	5.91	9.04	5.46	14.41	0.43	43.51



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.69	5.91	1.98	5.36	39.32	0.09	43.54
PROF (metros)	0.636	0.348	4.97	0.366	4.964	2.199	4.309
MÁXIMO	20.9	20.9	4.46	5.73	447.61	0.4	43.74
PROF (metros)	4.815	4.651	2.818	2.577	0.409	4.358	4.815

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

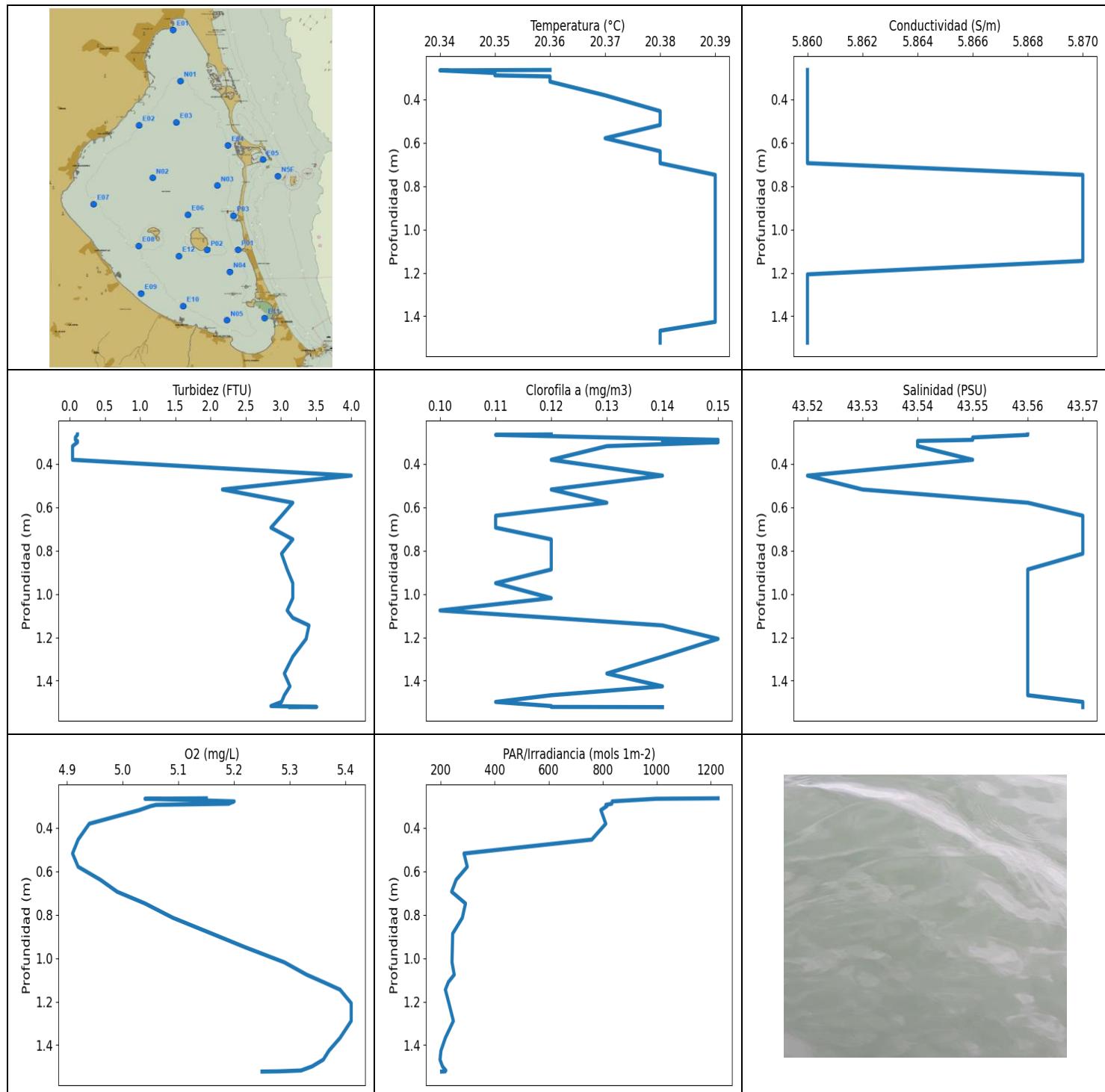
CTD E08 - Punto 007	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.7	5.91	3.75	5.48	295.33	0.16	43.63
1 - 2m	20.71	5.91	3.89	5.54	125.5	0.13	43.62
2 - 3m	20.71	5.91	3.9	5.65	108.85	0.13	43.61
3 - 4m	20.71	5.91	3.78	5.62	77.55	0.16	43.61
4 - 5m	20.85	5.93	2.27	5.62	47.51	0.27	43.66

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.348	20.72	5.91	4.31	5.67	423.19	0.29	43.63
0.363	20.71	5.91	3.85	5.49	423.0	0.17	43.63
0.364	20.71	5.91	4.04	5.37	427.63	0.18	43.64
0.366	20.7	5.91	3.82	5.36	425.55	0.13	43.64
0.379	20.71	5.91	3.78	5.37	425.55	0.18	43.63
0.392	20.71	5.91	3.74	5.38	433.42	0.18	43.63
0.399	20.7	5.91	3.24	5.39	439.28	0.12	43.63
0.409	20.7	5.91	3.62	5.39	447.61	0.14	43.63
0.446	20.7	5.91	3.66	5.38	437.96	0.15	43.63
0.496	20.7	5.91	3.85	5.39	286.37	0.15	43.63
0.564	20.7	5.91	3.55	5.4	150.21	0.13	43.63
0.636	20.69	5.91	3.85	5.45	139.63	0.15	43.63
0.693	20.69	5.91	3.82	5.5	142.48	0.17	43.63
0.741	20.69	5.91	3.66	5.55	149.13	0.11	43.63
0.778	20.7	5.91	3.51	5.6	143.24	0.17	43.63
0.818	20.7	5.91	3.51	5.64	144.04	0.17	43.63
0.881	20.7	5.91	3.93	5.66	138.6	0.18	43.63
0.95	20.71	5.91	3.74	5.65	138.99	0.15	43.62
1.018	20.71	5.91	3.82	5.65	133.09	0.15	43.62
1.068	20.71	5.91	3.89	5.63	136.34	0.14	43.62
1.106	20.71	5.91	4.08	5.61	135.27	0.13	43.62
1.148	20.71	5.91	3.82	5.58	134.27	0.16	43.62
1.203	20.72	5.91	3.93	5.56	129.68	0.16	43.62
1.272	20.72	5.91	4.23	5.53	128.16	0.12	43.62
1.334	20.72	5.91	3.89	5.5	125.48	0.13	43.61
1.371	20.72	5.91	3.74	5.46	126.24	0.13	43.61
1.394	20.71	5.91	3.93	5.41	126.45	0.12	43.62
1.438	20.71	5.91	3.74	5.39	126.97	0.1	43.63
1.505	20.72	5.91	3.7	5.4	124.44	0.13	43.62
1.568	20.72	5.91	3.78	5.44	123.12	0.15	43.61
1.608	20.72	5.91	3.78	5.48	122.18	0.15	43.61
1.627	20.71	5.91	3.62	5.53	122.1	0.15	43.62
1.648	20.71	5.91	3.97	5.57	123.01	0.14	43.62
1.69	20.71	5.91	3.82	5.6	122.83	0.12	43.63
1.743	20.72	5.91	3.89	5.61	120.77	0.13	43.62
1.789	20.72	5.91	3.82	5.6	119.6	0.11	43.61
1.829	20.72	5.91	3.85	5.58	119.16	0.14	43.61

1.871	20.71	5.91	4.27	5.57	120.49	0.15	43.62
1.922	20.71	5.91	3.89	5.56	120.89	0.15	43.62
1.969	20.71	5.91	4.04	5.55	120.41	0.11	43.61
2.009	20.72	5.91	3.85	5.54	119.41	0.11	43.61
2.043	20.72	5.91	4.16	5.55	117.87	0.13	43.61
2.084	20.72	5.91	3.89	5.56	115.73	0.12	43.62
2.14	20.72	5.91	3.93	5.57	114.58	0.11	43.62
2.199	20.72	5.91	3.89	5.6	117.16	0.09	43.61
2.242	20.72	5.91	4.27	5.61	118.56	0.09	43.6
2.271	20.71	5.91	3.59	5.62	119.0	0.13	43.61
2.298	20.71	5.91	3.89	5.63	117.19	0.11	43.62
2.348	20.71	5.91	4.04	5.66	112.74	0.14	43.63
2.419	20.72	5.91	3.74	5.68	110.21	0.14	43.62
2.489	20.72	5.91	4.16	5.69	111.13	0.13	43.61
2.534	20.71	5.91	3.66	5.71	111.8	0.13	43.61
2.553	20.71	5.91	3.62	5.72	111.44	0.15	43.61
2.577	20.71	5.91	3.78	5.73	109.83	0.13	43.63
2.629	20.71	5.91	3.82	5.73	106.52	0.11	43.62
2.702	20.72	5.91	3.74	5.73	102.88	0.12	43.61
2.773	20.72	5.91	3.89	5.73	102.57	0.11	43.61
2.81	20.72	5.91	3.59	5.72	103.21	0.16	43.6
2.811	20.71	5.91	4.04	5.7	103.43	0.15	43.61
2.818	20.71	5.91	4.46	5.67	101.81	0.17	43.63
2.86	20.71	5.91	4.08	5.64	98.24	0.15	43.62
2.925	20.71	5.91	3.93	5.62	94.86	0.15	43.61
2.977	20.71	5.91	3.82	5.62	94.9	0.1	43.6
2.997	20.71	5.91	3.85	5.62	97.42	0.16	43.61
3.009	20.71	5.91	4.0	5.63	96.77	0.11	43.63
3.044	20.71	5.91	3.85	5.65	93.53	0.13	43.62
3.095	20.71	5.91	3.85	5.69	90.08	0.15	43.61
3.141	20.71	5.91	4.0	5.71	88.51	0.14	43.61
3.174	20.71	5.91	3.82	5.72	88.59	0.15	43.61
3.205	20.71	5.91	4.0	5.71	87.71	0.15	43.62
3.251	20.71	5.91	4.2	5.69	86.34	0.13	43.62
3.301	20.71	5.91	3.85	5.66	85.03	0.13	43.61
3.344	20.71	5.91	3.93	5.64	82.91	0.14	43.61
3.38	20.71	5.91	3.74	5.6	81.92	0.13	43.62
3.405	20.71	5.91	3.97	5.57	80.69	0.12	43.61
3.45	20.71	5.91	4.0	5.54	78.13	0.11	43.62
3.519	20.71	5.91	3.7	5.53	75.76	0.16	43.62
3.58	20.71	5.91	3.74	5.51	74.37	0.18	43.6
3.617	20.71	5.91	3.74	5.52	73.12	0.2	43.61
3.649	20.71	5.91	3.59	5.54	71.88	0.17	43.62
3.69	20.71	5.91	3.74	5.56	70.31	0.2	43.62
3.736	20.72	5.91	3.82	5.57	69.16	0.2	43.6
3.777	20.72	5.91	3.74	5.59	67.96	0.17	43.6
3.813	20.72	5.91	3.32	5.62	66.54	0.16	43.61
3.85	20.72	5.91	3.24	5.63	65.3	0.17	43.61
3.885	20.72	5.91	3.28	5.63	63.75	0.17	43.6
3.928	20.72	5.91	4.35	5.63	62.11	0.17	43.61
3.98	20.73	5.91	3.36	5.63	60.75	0.23	43.6
4.023	20.74	5.91	2.78	5.62	60.3	0.18	43.58
4.048	20.75	5.91	2.67	5.6	59.87	0.2	43.58
4.069	20.74	5.91	2.71	5.59	58.72	0.19	43.61
4.103	20.75	5.92	2.67	5.57	57.38	0.25	43.62
4.149	20.77	5.91	2.44	5.56	55.78	0.23	43.57
4.191	20.78	5.91	2.36	5.55	55.19	0.26	43.56
4.236	20.78	5.92	2.25	5.55	53.61	0.22	43.62

4.281	20.79	5.92	2.29	5.56	52.74	0.29	43.6
4.309	20.81	5.91	2.21	5.57	52.46	0.24	43.54
4.327	20.82	5.92	2.17	5.57	51.68	0.26	43.61
4.358	20.82	5.94	2.14	5.59	50.76	0.4	43.71
4.405	20.84	5.93	2.21	5.6	49.7	0.34	43.62
4.46	20.86	5.93	2.21	5.61	48.01	0.27	43.61
4.52	20.87	5.94	2.06	5.64	46.87	0.24	43.67
4.565	20.87	5.93	2.29	5.65	46.42	0.26	43.64
4.583	20.88	5.93	2.14	5.65	46.45	0.28	43.63
4.603	20.88	5.94	2.14	5.64	45.64	0.23	43.7
4.651	20.89	5.95	2.14	5.64	44.29	0.4	43.73
4.714	20.89	5.94	2.21	5.66	43.14	0.31	43.66
4.764	20.89	5.94	2.06	5.64	43.12	0.23	43.65
4.795	20.89	5.95	2.02	5.63	42.65	0.23	43.73
4.815	20.9	5.95	2.14	5.63	42.12	0.4	43.74
4.845	20.9	5.95	2.06	5.63	41.14	0.32	43.72
4.892	20.9	5.95	2.21	5.65	40.16	0.23	43.73
4.938	20.9	5.95	2.1	5.67	39.8	0.28	43.73
4.96	20.9	5.95	3.05	5.66	39.45	0.32	43.72
4.962	20.9	5.95	2.25	5.66	39.6	0.25	43.74
4.964	20.9	5.95	2.02	5.64	39.32	0.32	43.74
4.97	20.9	5.95	1.98	5.64	39.32	0.31	43.74
4.972	20.9	5.95	2.06	5.61	39.51	0.28	43.74



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.34	5.86	0.04	4.91	197.82	0.1	43.52
PROF (metros)	0.266	0.264	0.318	0.518	1.467	1.076	0.454
MÁXIMO	20.39	20.39	4.01	5.41	1226.8	0.15	43.57
PROF (metros)	0.748	0.748	0.454	1.207	0.264	0.289	0.639

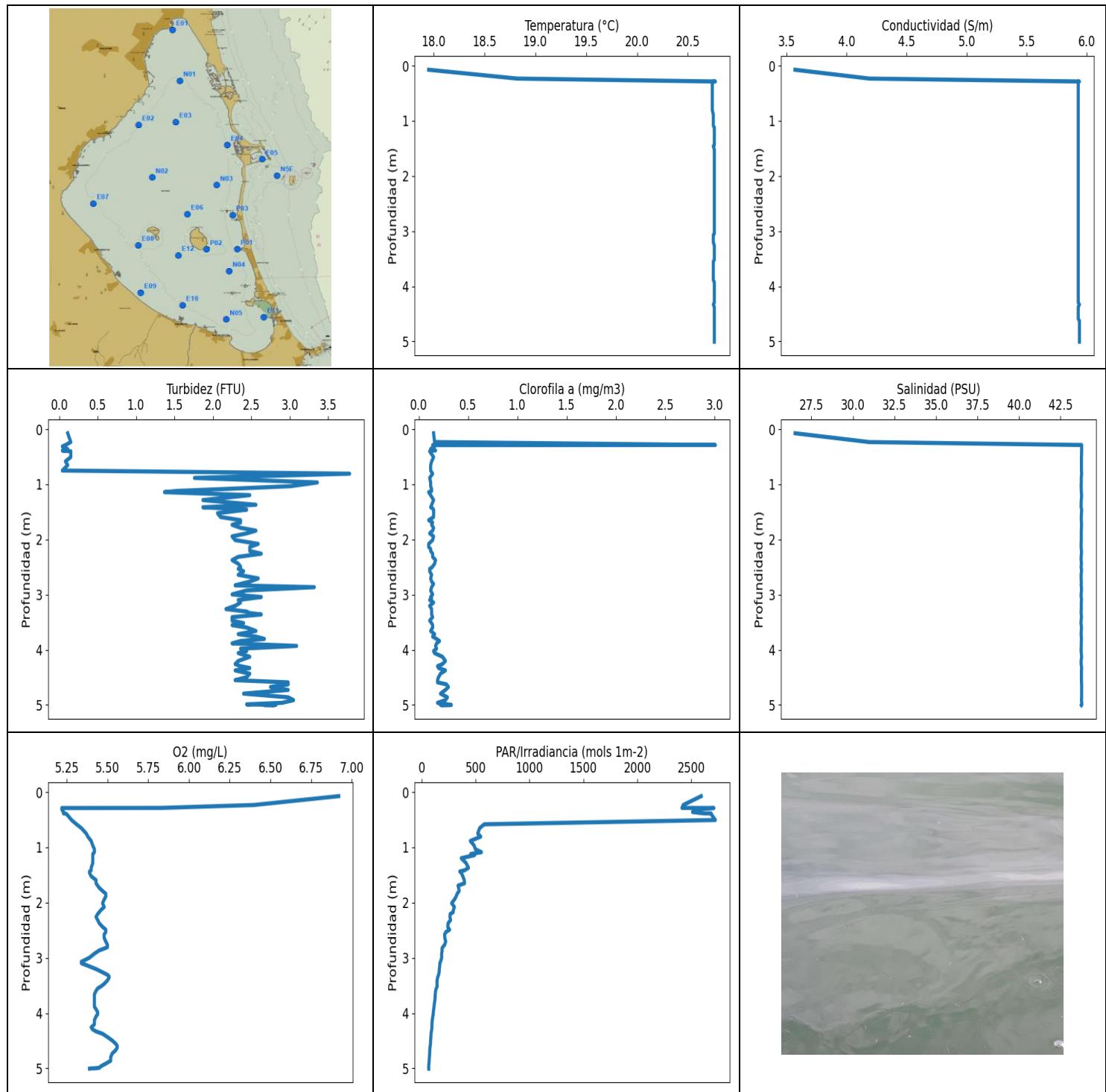
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

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	20.37	5.86	1.67	5.05	589.88	0.13	43.55
1 - 2m	20.39	5.86	3.16	5.35	221.56	0.13	43.56

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.264	20.36	5.86	0.11	5.15	1226.8	0.12	43.56
0.266	20.34	5.86	0.11	5.04	997.87	0.11	43.56
0.278	20.35	5.86	0.08	5.2	835.16	0.13	43.55
0.289	20.35	5.86	0.08	5.19	833.23	0.15	43.55
0.294	20.36	5.86	0.11	5.06	811.5	0.14	43.54
0.3	20.36	5.86	0.11	5.05	815.27	0.15	43.54
0.318	20.36	5.86	0.04	5.03	793.09	0.13	43.54
0.381	20.37	5.86	0.04	4.94	811.31	0.12	43.55
0.454	20.38	5.86	4.0	4.92	759.28	0.14	43.52
0.518	20.38	5.86	2.17	4.91	286.57	0.12	43.53
0.579	20.37	5.86	3.17	4.92	298.71	0.13	43.56
0.639	20.38	5.86	3.01	4.96	257.47	0.11	43.57
0.694	20.38	5.86	2.86	4.99	240.9	0.11	43.57
0.748	20.39	5.87	3.17	5.04	292.14	0.12	43.57
0.814	20.39	5.87	3.01	5.09	280.39	0.12	43.57
0.887	20.39	5.87	3.09	5.16	244.67	0.12	43.56
0.95	20.39	5.87	3.17	5.22	243.54	0.11	43.56
1.019	20.39	5.87	3.17	5.29	242.19	0.12	43.56
1.076	20.39	5.87	3.09	5.33	250.41	0.1	43.56
1.11	20.39	5.87	3.17	5.36	228.76	0.12	43.56
1.145	20.39	5.87	3.4	5.39	217.64	0.14	43.56
1.207	20.39	5.86	3.36	5.41	230.63	0.15	43.56
1.289	20.39	5.86	3.17	5.41	247.29	0.14	43.56
1.367	20.39	5.86	3.05	5.39	217.54	0.13	43.56
1.426	20.39	5.86	3.13	5.37	201.29	0.14	43.56
1.467	20.38	5.86	3.05	5.36	197.82	0.12	43.56
1.498	20.38	5.86	3.01	5.34	206.92	0.11	43.57
1.517	20.38	5.86	2.86	5.32	219.26	0.12	43.57
1.521	20.38	5.86	3.51	5.28	216.94	0.12	43.57
1.522	20.38	5.86	3.13	5.25	203.64	0.14	43.57



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	17.95	3.57	0.04	5.22	65.44	0.1	26.52
PROF (metros)	0.074	0.074	0.313	0.289	4.99	1.142	0.074
MÁXIMO	20.77	20.77	3.78	6.92	2724.1	3.01	43.78
PROF (metros)	0.287	0.287	0.807	0.074	0.506	0.287	4.962

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

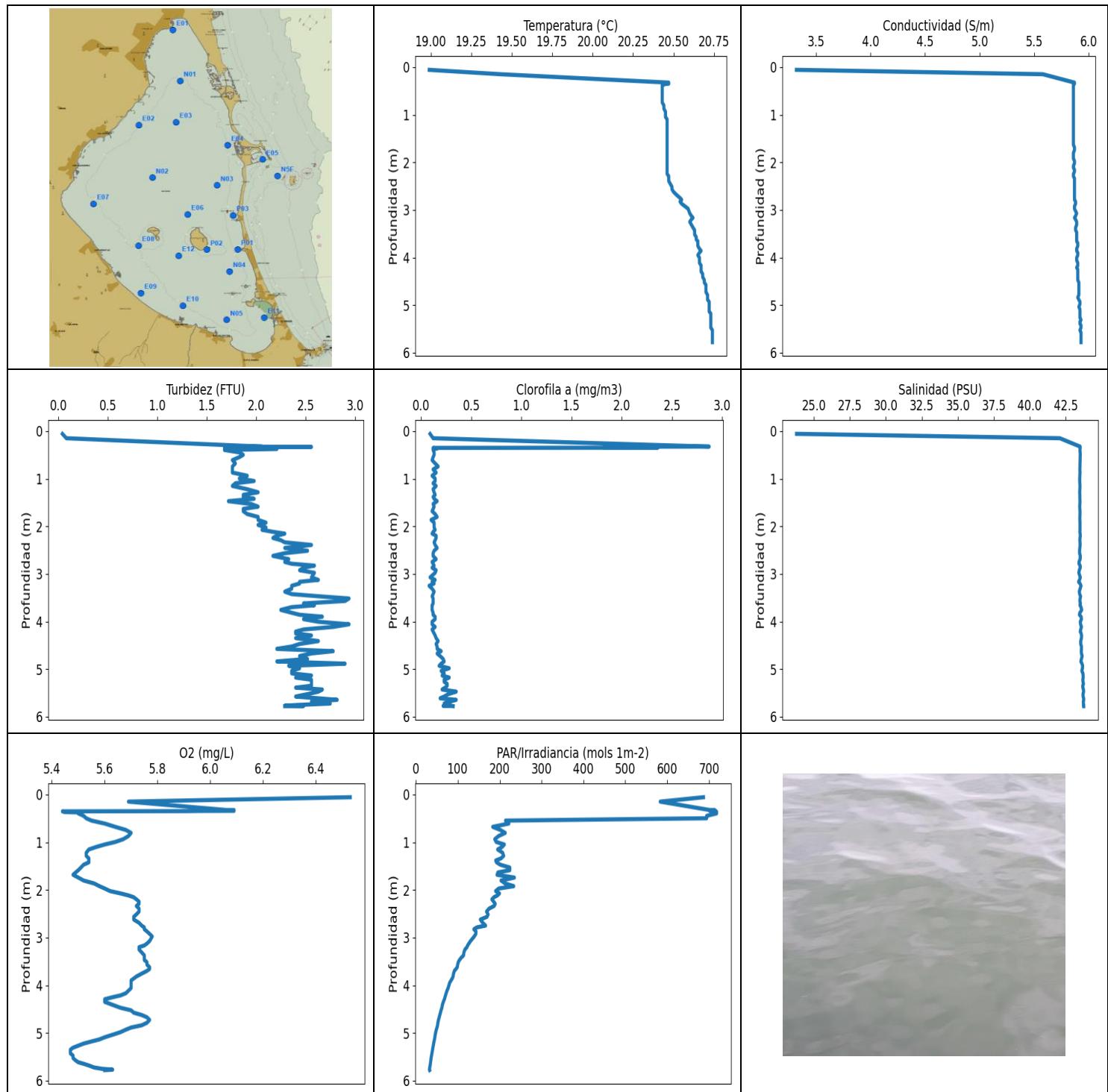
CTD E10 - Punto 009	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.45	5.68	0.63	5.5	1816.01	0.32	41.89
1 - 2m	20.76	5.93	2.22	5.43	394.32	0.13	43.75
2 - 3m	20.76	5.93	2.45	5.46	237.69	0.13	43.75
3 - 4m	20.75	5.93	2.44	5.43	141.7	0.14	43.75
4 - 5m	20.76	5.93	2.59	5.48	82.73	0.23	43.76
5 - 6m	20.76	5.94	2.75	5.4	66.68	0.29	43.77

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.074	17.95	3.57	0.11	6.92	2592.9	0.15	26.52
0.234	18.82	4.19	0.15	6.4	2426.6	0.16	30.99
0.287	20.77	5.94	0.08	5.83	2414.3	3.01	43.77
0.289	20.75	5.93	0.08	5.22	2710.9	0.14	43.76
0.313	20.74	5.93	0.04	5.22	2559.5	0.16	43.77
0.361	20.74	5.93	0.11	5.23	2512.5	0.12	43.77
0.386	20.74	5.93	0.08	5.23	2617.7	0.17	43.77
0.387	20.74	5.93	0.04	5.24	2685.9	0.14	43.77
0.401	20.74	5.93	0.15	5.25	2685.9	0.11	43.77
0.506	20.74	5.93	0.15	5.28	2724.1	0.15	43.76
0.583	20.74	5.93	0.08	5.31	580.55	0.13	43.76
0.652	20.74	5.93	0.11	5.34	538.55	0.12	43.76
0.75	20.74	5.93	0.04	5.37	520.39	0.12	43.76
0.807	20.74	5.93	3.78	5.38	547.99	0.14	43.77
0.884	20.75	5.93	1.76	5.4	451.88	0.11	43.75
0.966	20.75	5.93	3.36	5.41	486.44	0.12	43.75
1.034	20.75	5.93	3.01	5.42	499.01	0.12	43.74
1.088	20.75	5.93	2.1	5.42	555.02	0.13	43.75
1.12	20.76	5.93	1.53	5.41	455.35	0.13	43.75
1.142	20.76	5.93	1.37	5.41	490.52	0.1	43.75
1.196	20.76	5.93	2.48	5.41	367.4	0.12	43.77
1.286	20.76	5.93	1.87	5.41	412.92	0.15	43.75
1.371	20.76	5.93	2.56	5.4	434.42	0.13	43.74
1.416	20.76	5.93	1.87	5.4	397.89	0.12	43.74
1.437	20.76	5.93	2.17	5.39	353.69	0.14	43.76
1.46	20.75	5.93	2.44	5.39	367.4	0.15	43.77
1.523	20.76	5.93	2.06	5.4	381.81	0.15	43.76
1.593	20.76	5.93	2.1	5.43	395.32	0.15	43.75
1.65	20.76	5.93	2.36	5.43	397.8	0.1	43.75
1.693	20.76	5.93	2.36	5.44	337.75	0.14	43.76
1.734	20.76	5.93	2.25	5.45	343.51	0.13	43.76
1.789	20.76	5.93	2.36	5.47	348.16	0.15	43.76
1.84	20.76	5.93	2.56	5.49	329.55	0.14	43.75
1.889	20.76	5.93	2.44	5.49	320.29	0.11	43.75
1.944	20.76	5.93	2.25	5.48	304.3	0.15	43.75
2.011	20.76	5.93	2.29	5.47	278.51	0.14	43.75

2.08	20.76	5.93	2.59	5.48	303.95	0.1	43.74
2.135	20.76	5.93	2.48	5.46	294.31	0.1	43.74
2.173	20.76	5.93	2.48	5.45	292.81	0.12	43.75
2.208	20.76	5.93	2.48	5.44	264.42	0.12	43.76
2.258	20.76	5.93	2.63	5.43	262.35	0.14	43.76
2.315	20.76	5.93	2.33	5.44	268.44	0.14	43.74
2.374	20.76	5.93	2.25	5.45	245.41	0.17	43.74
2.44	20.76	5.93	2.33	5.47	242.13	0.16	43.76
2.49	20.76	5.93	2.36	5.49	259.45	0.14	43.74
2.512	20.76	5.93	2.36	5.49	242.69	0.13	43.74
2.532	20.76	5.93	2.33	5.49	225.24	0.11	43.76
2.576	20.76	5.93	2.4	5.48	213.05	0.11	43.76
2.64	20.76	5.93	2.33	5.48	215.39	0.13	43.74
2.706	20.76	5.93	2.59	5.49	223.47	0.12	43.74
2.764	20.76	5.93	2.48	5.5	213.55	0.13	43.75
2.806	20.76	5.93	2.36	5.5	195.77	0.15	43.75
2.832	20.76	5.93	2.29	5.48	188.86	0.14	43.74
2.865	20.76	5.93	3.32	5.45	190.44	0.13	43.76
2.924	20.76	5.93	2.44	5.42	185.39	0.12	43.76
2.996	20.76	5.93	2.25	5.39	185.87	0.14	43.74
3.043	20.76	5.93	2.63	5.36	179.97	0.12	43.74
3.07	20.75	5.93	2.48	5.34	174.79	0.13	43.76
3.098	20.75	5.93	2.33	5.34	168.86	0.11	43.76
3.143	20.75	5.93	2.36	5.38	168.08	0.15	43.75
3.203	20.75	5.93	2.29	5.43	164.38	0.11	43.75
3.262	20.76	5.93	2.17	5.47	162.22	0.13	43.75
3.307	20.76	5.93	2.44	5.5	157.33	0.13	43.74
3.335	20.76	5.93	2.48	5.51	151.99	0.13	43.74
3.36	20.76	5.93	2.63	5.51	147.93	0.13	43.75
3.408	20.76	5.93	2.25	5.5	143.14	0.14	43.76
3.471	20.76	5.93	2.25	5.48	142.48	0.11	43.74
3.517	20.76	5.93	2.4	5.46	143.67	0.13	43.73
3.553	20.75	5.93	2.25	5.44	135.61	0.14	43.75
3.597	20.75	5.93	2.44	5.43	129.5	0.14	43.76
3.659	20.75	5.93	2.56	5.42	126.33	0.12	43.75
3.716	20.75	5.93	2.33	5.42	125.13	0.16	43.74
3.761	20.75	5.93	2.56	5.42	123.23	0.14	43.75
3.803	20.75	5.93	2.67	5.42	119.88	0.18	43.76
3.841	20.75	5.93	2.36	5.42	117.41	0.21	43.75
3.884	20.75	5.93	2.25	5.42	114.66	0.18	43.75
3.93	20.76	5.93	3.09	5.43	111.88	0.17	43.75
3.98	20.76	5.93	2.36	5.44	108.94	0.18	43.74
4.022	20.76	5.93	2.44	5.44	107.19	0.15	43.74
4.06	20.76	5.93	2.33	5.43	103.79	0.16	43.75
4.127	20.76	5.93	2.48	5.42	98.4	0.24	43.77
4.203	20.76	5.93	2.33	5.42	95.43	0.27	43.74
4.259	20.76	5.93	2.29	5.4	95.32	0.24	43.74
4.297	20.76	5.93	2.36	5.41	93.72	0.19	43.76
4.331	20.75	5.94	2.48	5.43	90.42	0.2	43.77
4.374	20.76	5.93	2.29	5.47	87.65	0.27	43.76
4.433	20.76	5.93	2.48	5.5	85.48	0.22	43.76
4.497	20.76	5.93	2.44	5.53	83.28	0.2	43.76
4.551	20.76	5.93	2.29	5.55	82.34	0.19	43.76
4.591	20.76	5.93	2.98	5.56	79.32	0.19	43.76
4.627	20.76	5.94	2.98	5.56	77.3	0.28	43.77
4.674	20.76	5.94	2.75	5.55	75.46	0.3	43.77
4.728	20.76	5.94	2.98	5.53	74.42	0.27	43.77
4.795	20.76	5.94	2.4	5.52	72.26	0.22	43.77

4.862	20.76	5.94	2.98	5.52	70.1	0.29	43.77
4.913	20.76	5.94	3.05	5.49	67.63	0.27	43.76
4.962	20.76	5.94	2.9	5.46	65.86	0.19	43.78
4.99	20.76	5.94	2.44	5.45	65.44	0.29	43.77
4.999	20.76	5.94	2.82	5.42	66.4	0.22	43.77
5.0	20.76	5.94	2.78	5.4	66.68	0.33	43.78
5.001	20.76	5.94	2.67	5.4	66.71	0.3	43.77
5.005	20.76	5.94	2.78	5.39	66.66	0.24	43.76



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	18.99	3.32	0.04	5.44	32.14	0.08	23.8
PROF (metros)	0.056	0.056	0.056	0.352	5.765	3.249	0.056
MÁXIMO	20.74	20.74	2.94	6.53	718.53	2.87	43.75
PROF (metros)	5.526	5.309	3.516	0.056	0.374	0.324	5.646

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

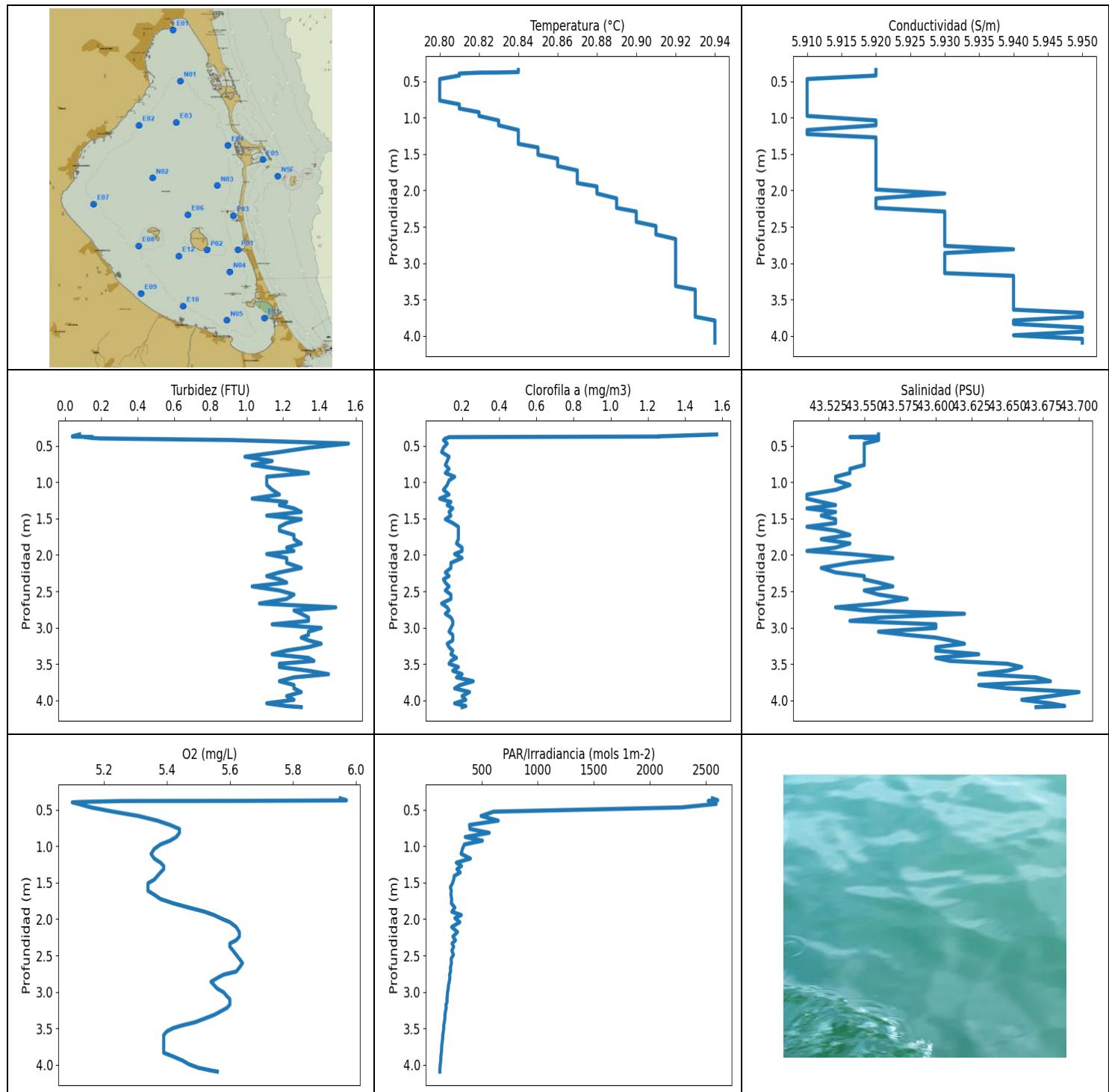
CTD N05 - Punto 010	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.34	5.75	1.78	5.76	533.63	0.77	42.61
1 - 2m	20.46	5.86	1.93	5.54	207.62	0.13	43.48
2 - 3m	20.5	5.87	2.32	5.72	169.36	0.13	43.48
3 - 4m	20.63	5.89	2.5	5.74	103.86	0.12	43.51
4 - 5m	20.69	5.9	2.52	5.69	61.65	0.16	43.58
5 - 6m	20.73	5.93	2.5	5.54	37.23	0.26	43.72

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.056	18.99	3.32	0.04	6.53	687.09	0.09	23.8
0.148	19.43	5.58	0.08	5.69	583.65	0.12	42.09
0.324	20.47	5.87	2.06	6.06	701.9	2.87	43.5
0.325	20.47	5.87	1.83	6.09	714.04	2.33	43.5
0.33	20.47	5.87	2.56	6.09	705.0	2.32	43.5
0.337	20.47	5.87	1.98	6.09	701.41	2.25	43.5
0.341	20.47	5.87	2.14	6.09	703.69	1.82	43.5
0.343	20.47	5.87	2.21	5.96	714.21	2.36	43.49
0.347	20.47	5.87	1.83	5.91	713.22	2.2	43.49
0.351	20.45	5.86	1.68	5.54	709.59	0.15	43.49
0.352	20.45	5.86	2.14	5.44	717.86	0.12	43.49
0.366	20.44	5.86	2.21	5.45	717.69	0.16	43.49
0.374	20.43	5.86	2.21	5.5	718.53	0.12	43.49
0.395	20.43	5.86	1.68	5.5	718.36	0.12	43.49
0.446	20.43	5.86	1.83	5.52	694.78	0.13	43.5
0.497	20.43	5.86	1.87	5.53	694.62	0.13	43.51
0.546	20.43	5.86	1.83	5.55	213.99	0.12	43.5
0.608	20.43	5.86	1.76	5.6	221.82	0.11	43.5
0.677	20.43	5.86	1.79	5.64	183.34	0.14	43.49
0.742	20.43	5.86	1.76	5.68	201.67	0.17	43.49
0.804	20.44	5.86	1.76	5.7	213.25	0.12	43.48
0.87	20.44	5.86	1.76	5.69	197.32	0.15	43.49
0.936	20.45	5.86	1.91	5.67	188.29	0.11	43.48
0.994	20.45	5.86	1.83	5.64	191.82	0.14	43.47
1.047	20.45	5.86	1.98	5.6	211.14	0.14	43.47
1.095	20.46	5.86	1.79	5.57	206.25	0.12	43.48
1.151	20.46	5.86	1.76	5.54	195.09	0.15	43.49
1.22	20.46	5.86	1.91	5.53	206.92	0.12	43.48
1.284	20.46	5.86	2.02	5.53	209.53	0.13	43.47
1.338	20.46	5.86	1.87	5.54	203.21	0.14	43.48
1.382	20.46	5.86	1.87	5.54	190.58	0.12	43.48
1.421	20.46	5.86	1.98	5.54	192.44	0.13	43.48
1.471	20.46	5.86	1.72	5.52	201.52	0.16	43.49
1.53	20.46	5.86	1.95	5.51	224.09	0.12	43.48
1.586	20.46	5.86	2.02	5.5	224.04	0.13	43.47
1.633	20.46	5.86	1.87	5.49	195.77	0.12	43.48

1.682	20.46	5.87	1.87	5.48	193.74	0.11	43.49
1.741	20.46	5.87	1.91	5.5	235.11	0.14	43.49
1.802	20.46	5.86	2.02	5.52	203.26	0.16	43.48
1.864	20.46	5.86	2.02	5.56	213.05	0.1	43.48
1.921	20.46	5.86	2.1	5.58	233.59	0.13	43.49
1.97	20.46	5.87	2.02	5.6	197.82	0.13	43.49
2.023	20.46	5.87	2.1	5.62	190.36	0.13	43.49
2.073	20.46	5.86	2.06	5.66	199.48	0.14	43.49
2.115	20.46	5.86	2.17	5.69	194.55	0.12	43.48
2.153	20.46	5.87	2.29	5.71	186.17	0.11	43.5
2.197	20.46	5.87	2.21	5.72	181.44	0.15	43.51
2.244	20.46	5.86	2.17	5.73	185.48	0.15	43.49
2.291	20.47	5.86	2.25	5.73	189.3	0.14	43.48
2.336	20.47	5.87	2.29	5.72	186.73	0.13	43.49
2.391	20.47	5.87	2.56	5.73	174.75	0.14	43.5
2.454	20.48	5.87	2.29	5.73	168.59	0.16	43.48
2.513	20.49	5.87	2.52	5.72	172.3	0.13	43.46
2.564	20.49	5.87	2.29	5.71	169.6	0.12	43.46
2.621	20.5	5.87	2.17	5.71	153.87	0.12	43.51
2.689	20.52	5.87	2.33	5.73	159.43	0.15	43.5
2.748	20.54	5.87	2.29	5.74	166.26	0.11	43.42
2.786	20.55	5.87	2.36	5.75	145.31	0.12	43.42
2.825	20.54	5.88	2.59	5.75	138.34	0.13	43.5
2.87	20.55	5.88	2.48	5.76	143.27	0.11	43.51
2.922	20.57	5.87	2.44	5.77	142.94	0.15	43.44
2.976	20.59	5.87	2.59	5.78	139.12	0.14	43.41
3.072	20.6	5.89	2.56	5.77	130.34	0.09	43.51
3.125	20.61	5.88	2.63	5.76	126.21	0.14	43.46
3.165	20.62	5.87	2.44	5.75	123.38	0.11	43.39
3.201	20.61	5.88	2.44	5.73	121.59	0.13	43.49
3.249	20.6	5.89	2.36	5.73	117.0	0.08	43.56
3.31	20.61	5.89	2.36	5.74	114.48	0.11	43.5
3.372	20.62	5.88	2.29	5.75	113.61	0.13	43.44
3.424	20.63	5.88	2.36	5.75	107.88	0.12	43.47
3.469	20.63	5.89	2.63	5.75	103.88	0.11	43.53
3.516	20.63	5.89	2.94	5.76	100.94	0.12	43.5
3.568	20.64	5.89	2.9	5.76	99.48	0.12	43.48
3.62	20.64	5.89	2.48	5.77	98.65	0.12	43.52
3.658	20.65	5.89	2.59	5.77	95.5	0.11	43.49
3.698	20.65	5.9	2.36	5.76	91.75	0.11	43.56
3.756	20.65	5.9	2.25	5.74	89.6	0.11	43.61
3.816	20.66	5.89	2.36	5.72	88.55	0.12	43.48
3.858	20.67	5.89	2.44	5.71	86.56	0.12	43.45
3.899	20.66	5.9	2.67	5.7	83.66	0.14	43.57
3.95	20.65	5.9	2.48	5.7	80.36	0.14	43.59
4.005	20.66	5.89	2.63	5.7	78.53	0.11	43.51
4.058	20.66	5.89	2.94	5.7	76.82	0.11	43.53
4.113	20.66	5.9	2.78	5.69	74.04	0.14	43.59
4.167	20.67	5.9	2.48	5.68	72.03	0.11	43.54
4.212	20.67	5.89	2.4	5.66	70.51	0.12	43.51
4.25	20.67	5.9	2.4	5.63	69.29	0.13	43.57
4.293	20.67	5.9	2.56	5.6	67.83	0.14	43.6
4.348	20.68	5.9	2.4	5.6	65.33	0.15	43.59
4.411	20.68	5.9	2.63	5.63	63.04	0.17	43.54
4.472	20.69	5.9	2.44	5.66	61.87	0.15	43.54
4.525	20.69	5.91	2.36	5.7	59.76	0.16	43.59
4.575	20.7	5.91	2.21	5.71	58.41	0.16	43.59
4.623	20.7	5.91	2.78	5.74	56.85	0.2	43.58

4.671	20.7	5.91	2.56	5.76	55.44	0.16	43.59
4.726	20.7	5.91	2.44	5.77	53.71	0.19	43.64
4.786	20.71	5.91	2.52	5.76	52.29	0.22	43.59
4.839	20.71	5.9	2.21	5.74	51.43	0.23	43.55
4.886	20.71	5.91	2.9	5.7	50.17	0.2	43.63
4.931	20.72	5.92	2.33	5.68	48.46	0.18	43.67
4.982	20.72	5.92	2.44	5.66	47.14	0.28	43.66
5.037	20.72	5.91	2.36	5.63	45.93	0.2	43.62
5.09	20.72	5.92	2.36	5.6	45.03	0.23	43.69
5.135	20.72	5.92	2.56	5.58	44.16	0.21	43.71
5.178	20.73	5.92	2.4	5.55	43.06	0.28	43.71
5.223	20.73	5.92	2.56	5.52	42.07	0.23	43.69
5.266	20.73	5.92	2.56	5.5	41.32	0.23	43.7
5.309	20.73	5.93	2.56	5.48	40.29	0.26	43.73
5.35	20.73	5.92	2.56	5.47	39.65	0.26	43.68
5.39	20.73	5.92	2.4	5.47	38.76	0.24	43.69
5.429	20.73	5.93	2.67	5.47	38.08	0.21	43.73
5.474	20.73	5.93	2.63	5.48	37.1	0.35	43.74
5.526	20.74	5.92	2.52	5.48	36.06	0.27	43.7
5.577	20.74	5.93	2.4	5.49	35.32	0.23	43.71
5.614	20.74	5.93	2.63	5.5	34.82	0.19	43.74
5.646	20.74	5.93	2.82	5.52	34.32	0.35	43.75
5.682	20.74	5.93	2.56	5.54	33.76	0.29	43.72
5.724	20.74	5.93	2.75	5.56	32.81	0.23	43.73
5.752	20.74	5.93	2.44	5.59	32.42	0.26	43.74
5.765	20.74	5.93	2.33	5.62	32.14	0.24	43.75
5.769	20.74	5.93	2.29	5.63	32.16	0.3	43.74
5.773	20.74	5.93	2.4	5.62	32.27	0.22	43.74
5.776	20.74	5.93	2.48	5.61	32.31	0.31	43.75
5.779	20.74	5.93	2.29	5.6	32.45	0.32	43.75



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols·1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.8	5.91	0.04	5.1	127.06	0.08	43.51
PROF (metros)	0.47	0.47	0.371	0.4	4.077	1.227	1.171
MÁXIMO	20.94	20.94	1.56	5.97	2605.0	1.57	43.7
PROF (metros)	3.788	3.683	0.47	0.371	0.371	0.345	3.885

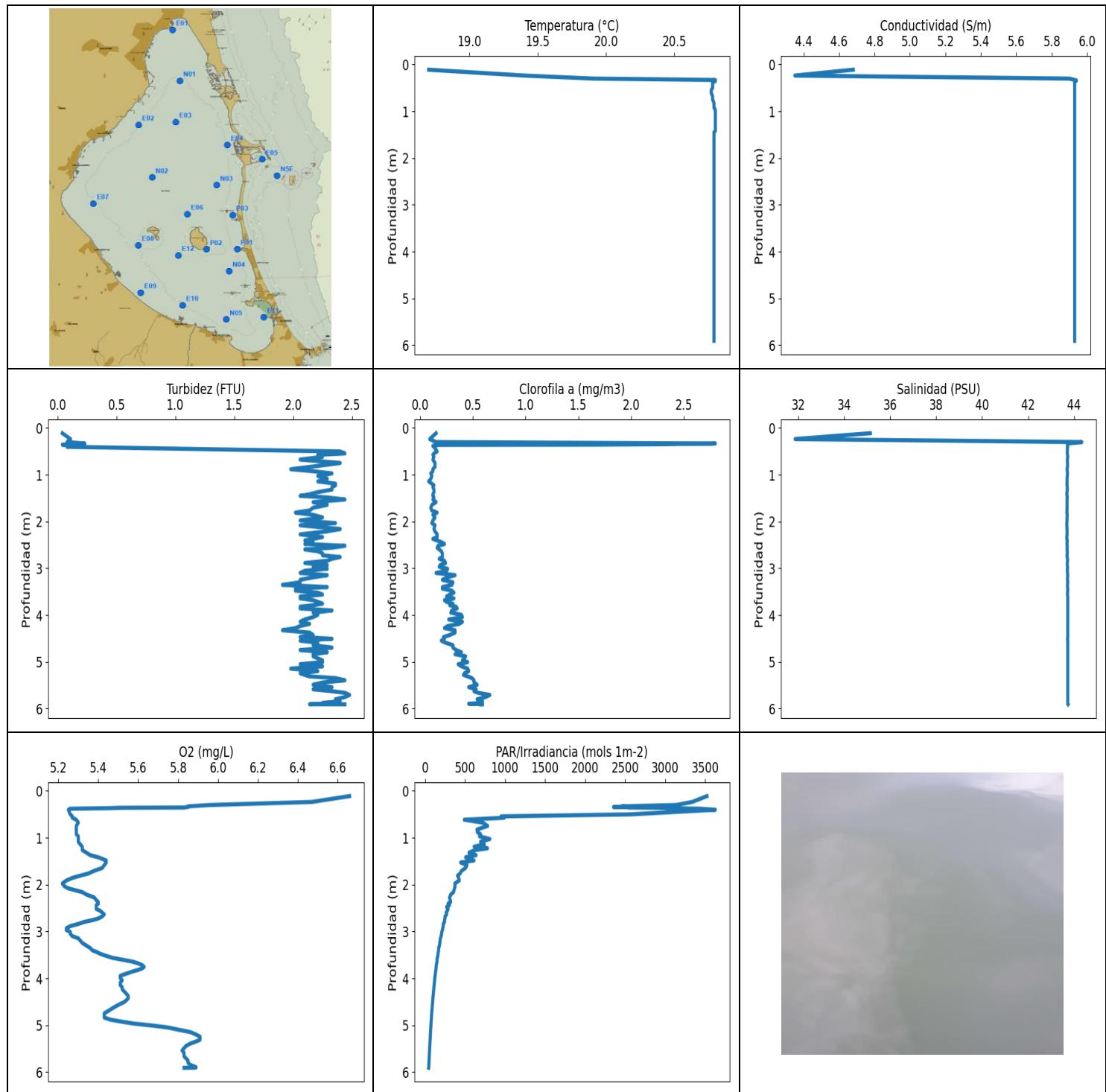
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

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	20.81	5.92	0.76	5.43	1507.48	0.34	43.55
1 - 2m	20.85	5.92	1.2	5.4	273.11	0.15	43.53
2 - 3m	20.91	5.93	1.23	5.6	236.36	0.13	43.56
3 - 4m	20.93	5.94	1.29	5.48	163.36	0.17	43.63
4 - 5m	20.94	5.95	1.21	5.53	127.44	0.19	43.68

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.345	20.84	5.92	0.08	5.95	2557.1	1.57	43.56
0.371	20.84	5.92	0.04	5.97	2605.0	1.26	43.56
0.374	20.84	5.92	0.04	5.96	2581.5	1.26	43.56
0.38	20.83	5.92	0.15	5.65	2520.1	0.35	43.54
0.382	20.82	5.92	0.11	5.26	2573.8	0.13	43.55
0.394	20.81	5.92	0.15	5.13	2538.8	0.12	43.55
0.4	20.81	5.92	0.19	5.1	2575.6	0.11	43.56
0.422	20.81	5.92	0.92	5.12	2590.5	0.1	43.56
0.47	20.8	5.91	1.56	5.16	2279.9	0.12	43.55
0.528	20.8	5.91	1.34	5.23	606.12	0.1	43.55
0.587	20.8	5.91	1.18	5.31	495.43	0.09	43.55
0.651	20.8	5.91	0.99	5.37	647.96	0.13	43.55
0.71	20.8	5.91	1.14	5.41	391.76	0.12	43.55
0.765	20.8	5.91	1.03	5.44	396.51	0.11	43.55
0.818	20.81	5.91	1.18	5.44	567.64	0.13	43.54
0.875	20.81	5.91	1.34	5.43	353.86	0.11	43.54
0.926	20.82	5.91	1.11	5.41	507.17	0.16	43.53
0.977	20.82	5.91	1.11	5.38	345.91	0.13	43.53
1.039	20.83	5.92	1.11	5.36	328.56	0.12	43.54
1.106	20.83	5.92	1.14	5.35	317.12	0.1	43.53
1.171	20.84	5.91	1.18	5.36	399.92	0.13	43.51
1.227	20.84	5.91	1.03	5.38	274.48	0.08	43.51
1.273	20.84	5.92	1.22	5.39	320.59	0.14	43.52
1.316	20.84	5.92	1.18	5.39	279.1	0.12	43.53
1.361	20.84	5.92	1.26	5.38	308.35	0.15	43.51
1.41	20.85	5.92	1.3	5.37	255.45	0.13	43.53
1.46	20.85	5.92	1.11	5.36	250.35	0.14	43.52
1.51	20.85	5.92	1.3	5.34	240.12	0.11	43.53
1.563	20.86	5.92	1.22	5.34	221.46	0.15	43.53
1.613	20.86	5.92	1.18	5.34	229.24	0.18	43.51
1.666	20.86	5.92	1.18	5.36	225.97	0.18	43.53
1.726	20.87	5.92	1.26	5.38	232.67	0.18	43.54
1.784	20.87	5.92	1.26	5.42	229.83	0.18	43.52
1.843	20.87	5.92	1.3	5.47	261.14	0.17	43.54
1.9	20.87	5.92	1.22	5.52	234.78	0.2	43.53
1.946	20.88	5.92	1.26	5.55	318.37	0.2	43.51
1.988	20.88	5.92	1.11	5.57	261.56	0.16	43.54

2.043	20.88	5.93	1.22	5.6	305.22	0.2	43.57
2.11	20.89	5.92	1.22	5.62	232.83	0.14	43.54
2.179	20.89	5.92	1.3	5.63	284.45	0.14	43.52
2.241	20.89	5.92	1.18	5.63	243.76	0.11	43.53
2.291	20.9	5.93	1.11	5.62	267.07	0.13	43.55
2.336	20.9	5.93	1.18	5.6	236.04	0.1	43.55
2.381	20.9	5.93	1.22	5.6	250.7	0.11	43.56
2.433	20.9	5.93	1.03	5.61	234.35	0.13	43.57
2.489	20.91	5.93	1.18	5.62	248.67	0.11	43.55
2.545	20.91	5.93	1.26	5.63	228.02	0.14	43.56
2.605	20.91	5.93	1.22	5.64	230.57	0.14	43.58
2.668	20.92	5.93	1.07	5.63	221.67	0.09	43.56
2.721	20.92	5.93	1.49	5.62	223.32	0.12	43.53
2.763	20.92	5.93	1.26	5.58	213.75	0.13	43.55
2.809	20.92	5.94	1.3	5.56	216.39	0.11	43.62
2.861	20.92	5.93	1.34	5.54	211.14	0.14	43.56
2.907	20.92	5.93	1.34	5.55	204.06	0.15	43.54
2.954	20.92	5.93	1.14	5.56	202.46	0.15	43.6
3.004	20.92	5.93	1.41	5.58	195.86	0.14	43.6
3.055	20.92	5.93	1.34	5.59	193.16	0.13	43.56
3.1	20.92	5.93	1.34	5.6	190.89	0.15	43.58
3.137	20.92	5.93	1.3	5.6	191.68	0.15	43.6
3.174	20.92	5.94	1.34	5.6	181.82	0.15	43.61
3.221	20.92	5.94	1.41	5.59	183.94	0.12	43.62
3.268	20.92	5.94	1.34	5.57	177.24	0.13	43.6
3.315	20.92	5.94	1.22	5.55	172.74	0.15	43.6
3.365	20.93	5.94	1.14	5.52	172.22	0.14	43.63
3.415	20.93	5.94	1.34	5.49	167.46	0.17	43.6
3.457	20.93	5.94	1.37	5.45	162.07	0.14	43.61
3.496	20.93	5.94	1.18	5.42	162.34	0.13	43.65
3.541	20.93	5.94	1.18	5.4	158.4	0.18	43.66
3.592	20.93	5.94	1.34	5.39	153.09	0.15	43.65
3.639	20.93	5.94	1.45	5.39	152.63	0.2	43.63
3.683	20.93	5.95	1.26	5.39	148.51	0.17	43.67
3.736	20.93	5.95	1.18	5.39	144.1	0.26	43.68
3.788	20.94	5.94	1.26	5.39	142.67	0.19	43.63
3.834	20.94	5.94	1.26	5.39	140.51	0.16	43.65
3.885	20.94	5.95	1.3	5.42	136.05	0.24	43.7
3.941	20.94	5.95	1.22	5.45	135.21	0.2	43.68
3.991	20.94	5.94	1.26	5.47	131.41	0.22	43.66
4.04	20.94	5.95	1.11	5.5	127.98	0.16	43.68
4.077	20.94	5.95	1.22	5.54	127.06	0.22	43.69
4.092	20.94	5.95	1.3	5.56	127.27	0.2	43.67



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	18.7	4.35	0.04	5.22	44.21	0.08	31.87
PROF (metros)	0.112	0.237	0.112	1.976	5.908	1.142	0.237
MÁXIMO	20.8	20.8	2.48	6.66	3627.0	2.8	44.33
PROF (metros)	0.331	0.342	5.707	0.112	0.403	0.331	0.302

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

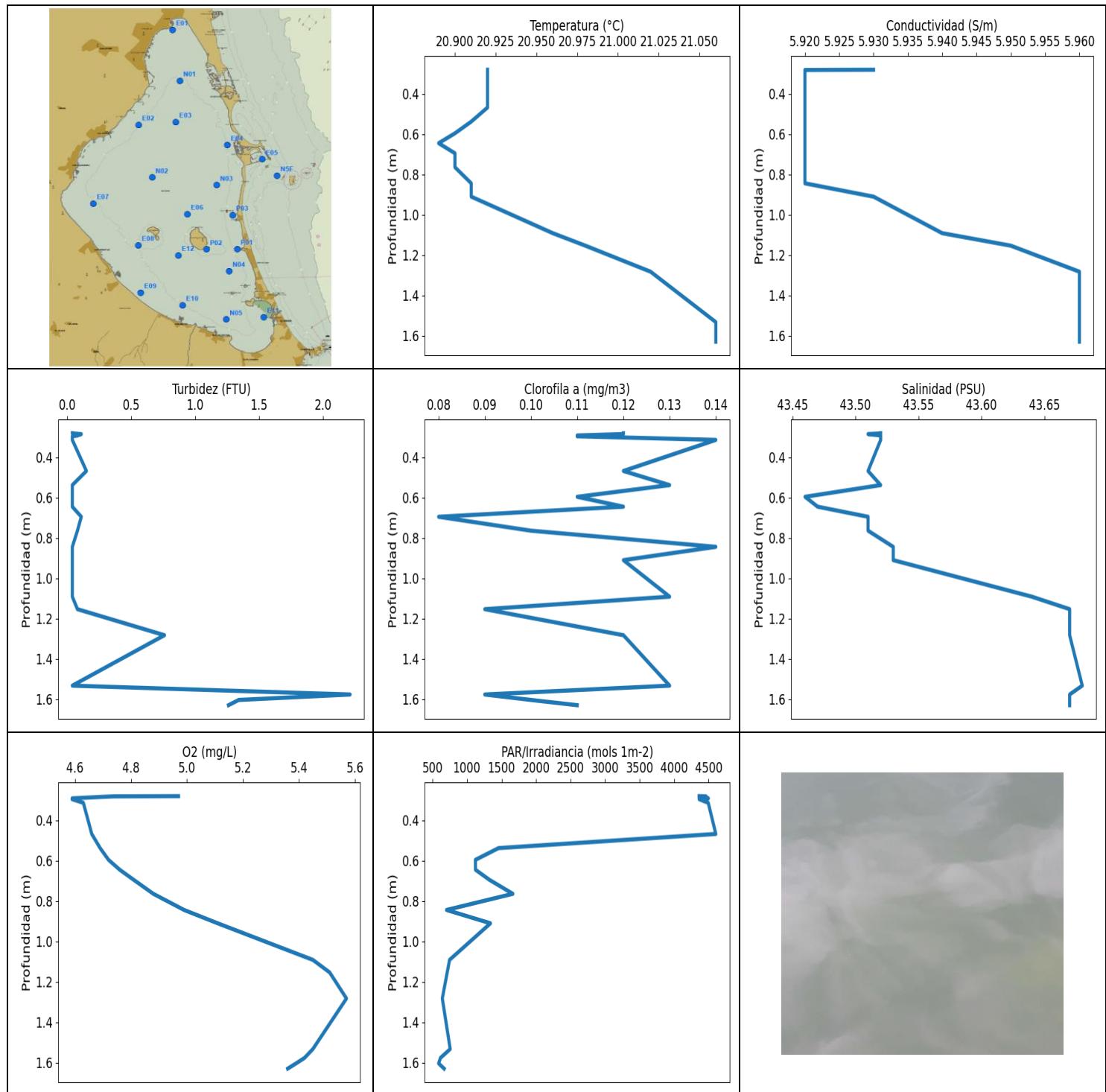
CTD N04 - Punto 012	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.6	5.81	1.04	5.59	2047.04	0.72	42.85
1 - 2m	20.79	5.93	2.23	5.34	555.01	0.12	43.69
2 - 3m	20.79	5.93	2.23	5.35	280.75	0.18	43.69
3 - 4m	20.79	5.93	2.15	5.45	158.89	0.28	43.71
4 - 5m	20.79	5.93	2.15	5.5	93.85	0.32	43.72
5 - 6m	20.79	5.93	2.27	5.85	56.02	0.51	43.72

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.112	18.7	4.68	0.04	6.66	3521.8	0.15	35.14
0.237	19.4	4.35	0.11	6.47	3337.4	0.09	31.87
0.302	19.91	5.9	0.08	5.96	3138.6	0.15	44.33
0.331	20.8	5.93	0.23	5.85	2454.9	2.8	43.72
0.339	20.8	5.93	0.11	5.85	2503.7	2.76	43.72
0.342	20.8	5.94	0.08	5.85	2541.2	2.41	43.72
0.344	20.8	5.94	0.11	5.85	2354.1	2.41	43.72
0.348	20.8	5.94	0.15	5.84	2516.0	2.27	43.72
0.356	20.8	5.93	0.04	5.83	2550.0	1.65	43.72
0.361	20.79	5.93	0.23	5.51	2930.5	0.17	43.71
0.369	20.79	5.93	0.08	5.46	3027.1	0.16	43.71
0.381	20.78	5.93	0.11	5.26	3424.4	0.12	43.71
0.403	20.78	5.93	0.08	5.25	3627.0	0.13	43.71
0.502	20.78	5.93	2.4	5.26	2558.3	0.16	43.7
0.544	20.77	5.93	2.44	5.27	949.59	0.13	43.7
0.574	20.77	5.93	2.21	5.27	988.21	0.12	43.71
0.616	20.77	5.93	2.25	5.29	489.39	0.13	43.72
0.676	20.78	5.93	2.06	5.3	716.36	0.12	43.7
0.748	20.78	5.93	2.4	5.29	780.87	0.14	43.71
0.824	20.79	5.93	2.17	5.29	648.26	0.14	43.71
0.882	20.79	5.93	1.98	5.29	652.78	0.12	43.69
0.924	20.79	5.93	2.17	5.29	692.21	0.12	43.7
0.971	20.8	5.93	2.33	5.3	679.18	0.1	43.71
1.027	20.8	5.93	2.21	5.3	809.06	0.11	43.7
1.087	20.8	5.93	2.29	5.3	692.69	0.1	43.69
1.142	20.8	5.93	2.21	5.31	739.48	0.08	43.69
1.19	20.8	5.93	2.36	5.32	612.33	0.11	43.69
1.225	20.8	5.93	2.36	5.32	779.06	0.13	43.69
1.264	20.8	5.93	2.33	5.32	624.08	0.12	43.7
1.317	20.8	5.93	2.33	5.34	548.37	0.13	43.7
1.372	20.8	5.93	2.21	5.36	637.39	0.13	43.69
1.417	20.8	5.93	2.14	5.4	506.7	0.12	43.68
1.451	20.79	5.93	2.06	5.42	554.12	0.12	43.69
1.485	20.79	5.93	2.29	5.44	611.2	0.13	43.7
1.529	20.79	5.93	2.44	5.44	443.79	0.12	43.69
1.585	20.79	5.93	2.17	5.43	522.44	0.15	43.69

1.644	20.79	5.93	2.29	5.42	505.64	0.11	43.69
1.705	20.79	5.93	2.17	5.38	455.88	0.1	43.69
1.763	20.79	5.93	2.14	5.35	435.94	0.11	43.69
1.809	20.79	5.93	2.02	5.31	404.77	0.16	43.68
1.857	20.79	5.93	2.17	5.27	420.16	0.12	43.7
1.913	20.79	5.93	2.25	5.24	425.55	0.14	43.69
1.976	20.79	5.93	2.06	5.22	371.59	0.12	43.69
2.034	20.79	5.93	2.36	5.23	373.58	0.11	43.68
2.08	20.79	5.93	2.06	5.25	366.8	0.14	43.68
2.16	20.79	5.93	2.4	5.32	354.51	0.13	43.69
2.21	20.79	5.93	2.29	5.34	321.41	0.14	43.69
2.274	20.79	5.93	2.06	5.38	304.86	0.16	43.69
2.332	20.79	5.93	2.25	5.39	313.97	0.16	43.68
2.371	20.79	5.93	2.17	5.4	319.03	0.12	43.68
2.405	20.79	5.93	2.1	5.4	285.97	0.16	43.7
2.44	20.79	5.93	2.17	5.39	303.59	0.2	43.69
2.479	20.79	5.93	2.1	5.39	268.5	0.23	43.69
2.519	20.79	5.93	2.44	5.39	286.3	0.17	43.69
2.559	20.79	5.93	2.33	5.41	277.81	0.16	43.7
2.597	20.79	5.93	2.1	5.42	262.53	0.18	43.69
2.635	20.79	5.93	2.21	5.43	268.25	0.2	43.7
2.679	20.79	5.93	2.25	5.42	249.08	0.21	43.7
2.722	20.79	5.93	2.25	5.4	247.29	0.21	43.69
2.759	20.79	5.93	2.4	5.37	242.24	0.21	43.69
2.796	20.79	5.93	2.33	5.33	242.24	0.18	43.71
2.839	20.79	5.93	2.29	5.3	226.08	0.23	43.71
2.886	20.79	5.93	2.1	5.26	226.65	0.24	43.7
2.93	20.79	5.93	2.29	5.24	219.47	0.19	43.7
2.968	20.79	5.93	2.17	5.24	216.39	0.18	43.71
3.01	20.79	5.93	2.29	5.26	207.88	0.26	43.71
3.052	20.79	5.93	2.1	5.26	205.44	0.25	43.7
3.099	20.79	5.93	2.06	5.27	199.25	0.15	43.71
3.146	20.79	5.93	2.29	5.3	190.75	0.33	43.72
3.193	20.79	5.93	2.17	5.31	186.95	0.26	43.71
3.245	20.79	5.93	2.06	5.32	183.34	0.21	43.71
3.299	20.79	5.93	2.06	5.34	178.85	0.31	43.72
3.354	20.79	5.93	1.91	5.36	169.21	0.3	43.71
3.401	20.79	5.93	2.29	5.37	167.73	0.21	43.71
3.434	20.79	5.93	2.02	5.39	164.27	0.21	43.72
3.477	20.79	5.93	2.02	5.41	160.54	0.3	43.72
3.521	20.79	5.93	2.21	5.44	158.1	0.32	43.71
3.561	20.79	5.93	2.25	5.47	151.82	0.28	43.71
3.602	20.79	5.93	2.06	5.52	148.62	0.25	43.72
3.642	20.79	5.93	2.06	5.57	148.34	0.32	43.72
3.68	20.79	5.93	2.17	5.6	143.27	0.23	43.72
3.718	20.79	5.93	2.21	5.62	139.54	0.25	43.72
3.755	20.79	5.93	2.25	5.63	137.45	0.31	43.72
3.789	20.79	5.93	2.17	5.62	135.17	0.28	43.72
3.82	20.79	5.93	2.06	5.6	134.52	0.34	43.72
3.857	20.79	5.93	2.06	5.57	130.71	0.35	43.72
3.901	20.79	5.93	2.33	5.54	127.42	0.3	43.72
3.947	20.79	5.93	2.17	5.51	123.52	0.29	43.72
3.993	20.79	5.93	2.21	5.51	120.72	0.39	43.72
4.043	20.79	5.93	2.17	5.52	117.92	0.4	43.72
4.093	20.79	5.93	2.1	5.51	114.37	0.27	43.72
4.142	20.79	5.93	2.06	5.51	112.48	0.4	43.72
4.188	20.79	5.93	2.14	5.52	109.7	0.37	43.72
4.234	20.79	5.93	2.06	5.52	107.09	0.26	43.72

4.278	20.79	5.93	2.02	5.53	104.39	0.23	43.72
4.323	20.79	5.93	1.91	5.54	101.6	0.33	43.72
4.374	20.79	5.93	2.14	5.55	99.18	0.33	43.72
4.426	20.79	5.93	2.17	5.55	97.15	0.28	43.72
4.47	20.79	5.93	2.06	5.54	95.52	0.22	43.72
4.506	20.79	5.93	2.33	5.53	93.62	0.23	43.71
4.546	20.79	5.93	2.06	5.51	91.36	0.2	43.72
4.591	20.79	5.93	2.21	5.49	89.29	0.24	43.72
4.642	20.79	5.93	2.17	5.47	86.76	0.31	43.72
4.695	20.79	5.93	2.33	5.45	84.07	0.31	43.72
4.747	20.79	5.93	2.06	5.43	81.86	0.34	43.72
4.794	20.79	5.93	2.29	5.43	80.0	0.39	43.72
4.836	20.79	5.93	2.17	5.43	78.86	0.33	43.72
4.88	20.79	5.93	2.17	5.46	76.72	0.43	43.72
4.926	20.79	5.93	2.21	5.52	75.31	0.42	43.72
4.966	20.79	5.93	2.25	5.58	73.63	0.4	43.72
5.006	20.79	5.93	2.25	5.67	71.98	0.45	43.72
5.049	20.79	5.93	2.06	5.75	70.46	0.36	43.72
5.094	20.79	5.93	2.25	5.8	68.78	0.39	43.72
5.144	20.79	5.93	1.98	5.86	67.14	0.45	43.72
5.198	20.79	5.93	2.21	5.89	65.2	0.46	43.72
5.243	20.79	5.93	2.06	5.91	63.81	0.42	43.72
5.279	20.79	5.93	2.1	5.91	62.59	0.41	43.72
5.31	20.79	5.93	2.14	5.91	61.75	0.45	43.72
5.347	20.79	5.93	2.36	5.89	60.8	0.49	43.72
5.394	20.79	5.93	2.44	5.86	59.42	0.51	43.72
5.441	20.79	5.93	2.25	5.84	57.62	0.51	43.72
5.49	20.79	5.93	2.17	5.83	56.46	0.54	43.72
5.54	20.79	5.93	2.33	5.82	54.84	0.46	43.72
5.586	20.79	5.93	2.17	5.83	53.69	0.53	43.72
5.627	20.79	5.93	2.33	5.83	52.84	0.51	43.72
5.662	20.79	5.93	2.44	5.83	51.78	0.55	43.72
5.707	20.79	5.93	2.48	5.84	50.52	0.66	43.72
5.752	20.79	5.93	2.44	5.85	49.25	0.62	43.72
5.799	20.79	5.93	2.36	5.85	48.35	0.54	43.72
5.843	20.79	5.93	2.4	5.86	47.47	0.59	43.72
5.877	20.79	5.93	2.25	5.88	46.44	0.59	43.72
5.895	20.79	5.93	2.4	5.89	45.62	0.46	43.72
5.902	20.79	5.93	2.17	5.89	45.02	0.58	43.72
5.906	20.79	5.93	2.14	5.88	44.49	0.56	43.73
5.908	20.79	5.93	2.44	5.83	44.21	0.59	43.73



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	20.89	5.92	0.04	4.59	587.45	0.08	43.46
PROF (metros)	0.645	0.282	0.281	0.292	1.603	0.695	0.596
MÁXIMO	21.06	21.06	2.21	5.57	4603.9	0.14	43.68
PROF (metros)	1.532	1.282	1.576	1.282	0.468	0.314	1.532

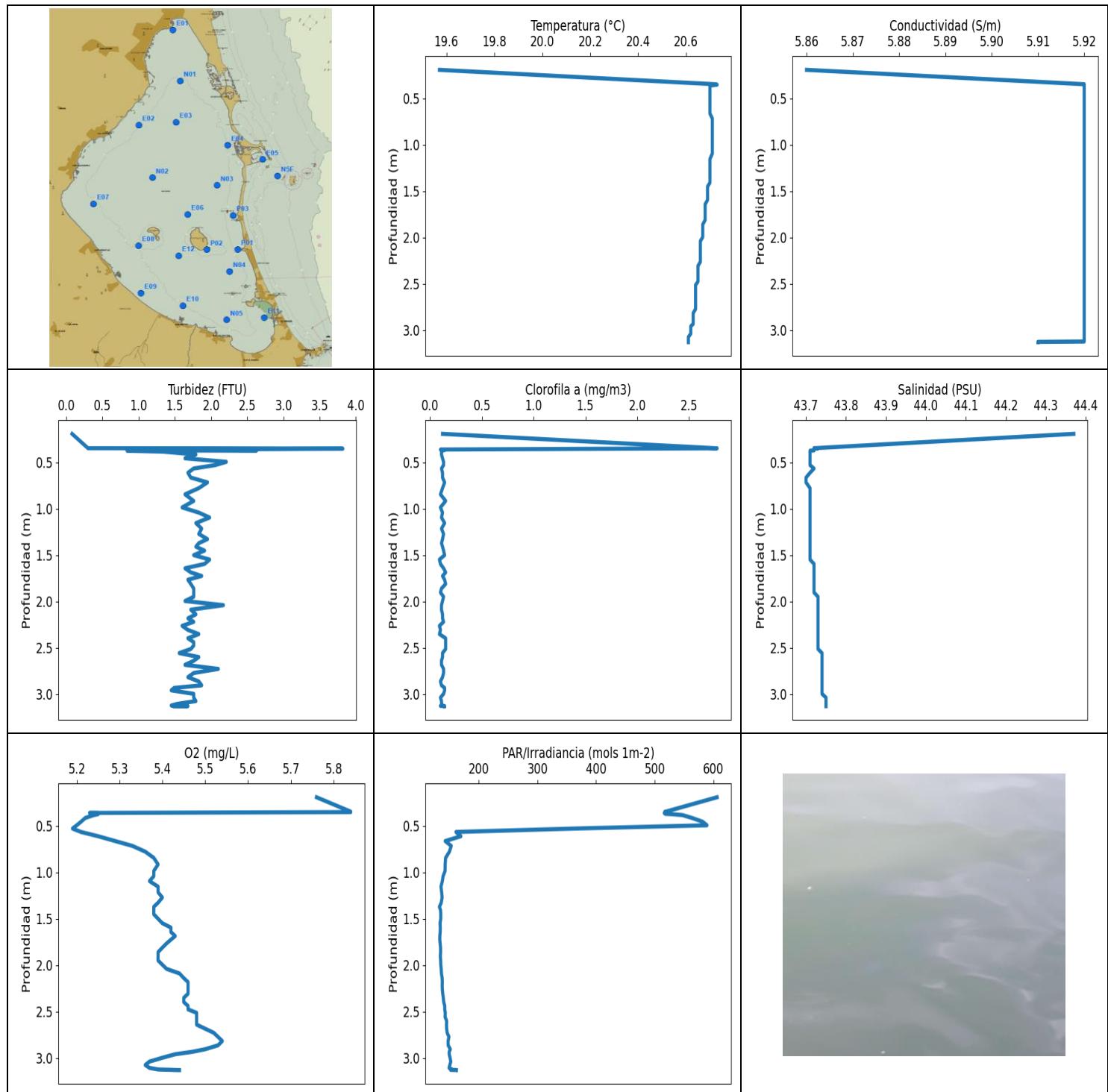
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

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	20.91	5.92	0.06	4.77	2852.36	0.12	43.51
1 - 2m	21.03	5.96	0.82	5.45	674.63	0.11	43.67

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.281	20.92	5.93	0.04	4.97	4361.8	0.12	43.52
0.282	20.92	5.92	0.04	4.74	4462.0	0.12	43.52
0.285	20.92	5.92	0.11	4.69	4426.0	0.12	43.51
0.292	20.92	5.92	0.08	4.59	4496.3	0.11	43.52
0.296	20.92	5.92	0.04	4.59	4362.8	0.11	43.52
0.314	20.92	5.92	0.04	4.63	4494.2	0.14	43.52
0.468	20.92	5.92	0.15	4.66	4603.9	0.12	43.51
0.538	20.91	5.92	0.04	4.69	1455.3	0.13	43.52
0.596	20.9	5.92	0.04	4.72	1120.7	0.11	43.46
0.645	20.89	5.92	0.04	4.76	1121.5	0.12	43.47
0.695	20.9	5.92	0.11	4.81	1324.3	0.08	43.51
0.764	20.9	5.92	0.08	4.88	1663.1	0.1	43.51
0.844	20.91	5.92	0.04	4.99	702.39	0.14	43.53
0.91	20.91	5.93	0.04	5.11	1338.8	0.12	43.53
1.091	20.96	5.94	0.04	5.45	746.02	0.13	43.64
1.153	20.98	5.95	0.08	5.51	711.57	0.09	43.67
1.282	21.02	5.96	0.76	5.57	640.94	0.12	43.67
1.532	21.06	5.96	0.04	5.45	755.06	0.13	43.68
1.576	21.06	5.96	2.21	5.42	614.04	0.09	43.67
1.603	21.06	5.96	1.34	5.39	587.45	0.1	43.67
1.629	21.06	5.96	1.26	5.36	667.32	0.11	43.67



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	19.57	5.86	0.08	5.19	132.84	0.09	43.7
PROF (metros)	0.192	0.192	0.192	0.529	1.372	1.549	0.664
MÁXIMO	20.73	20.73	3.82	5.84	606.4	2.77	44.37
PROF (metros)	0.352	0.347	0.352	0.347	0.192	0.348	0.192

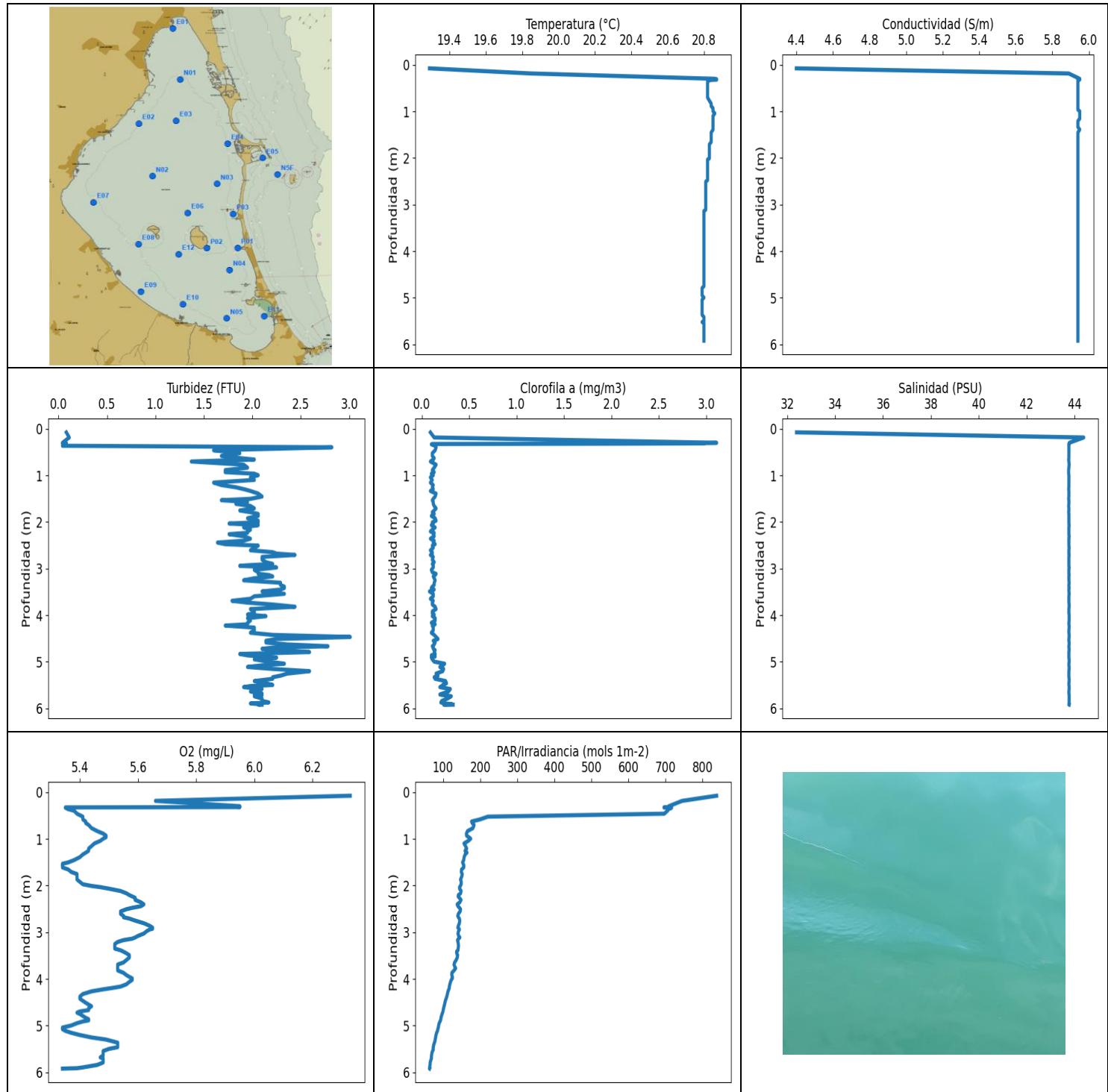
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

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	20.65	5.92	1.72	5.37	391.36	0.44	43.74
1 - 2m	20.69	5.92	1.81	5.4	135.12	0.12	43.72
2 - 3m	20.64	5.92	1.74	5.47	143.21	0.12	43.73
3 - 4m	20.61	5.92	1.6	5.4	154.36	0.12	43.75

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.192	19.57	5.86	0.08	5.76	606.4	0.12	44.37
0.347	20.72	5.92	0.3	5.84	518.94	2.75	43.72
0.348	20.72	5.92	2.06	5.84	517.38	2.77	43.73
0.352	20.73	5.92	3.82	5.84	518.34	1.91	43.72
0.361	20.7	5.92	1.83	5.23	517.14	0.12	43.72
0.362	20.7	5.92	1.53	5.25	516.3	0.1	43.72
0.366	20.7	5.92	1.72	5.25	517.02	0.14	43.72
0.371	20.7	5.92	2.63	5.25	518.46	0.11	43.72
0.374	20.7	5.92	0.84	5.25	528.53	0.12	43.71
0.384	20.7	5.92	1.34	5.24	547.23	0.11	43.71
0.415	20.7	5.92	1.79	5.22	563.58	0.11	43.71
0.456	20.7	5.92	1.64	5.21	581.76	0.12	43.71
0.494	20.7	5.92	2.21	5.2	589.08	0.13	43.71
0.529	20.7	5.92	2.06	5.19	365.11	0.13	43.71
0.566	20.7	5.92	1.76	5.21	161.1	0.11	43.72
0.612	20.7	5.92	1.68	5.25	169.37	0.12	43.71
0.664	20.7	5.92	1.72	5.29	142.71	0.12	43.7
0.716	20.71	5.92	1.95	5.33	152.98	0.14	43.7
0.778	20.71	5.92	1.83	5.36	149.9	0.12	43.71
0.845	20.71	5.92	1.64	5.38	143.37	0.1	43.71
0.916	20.71	5.92	1.76	5.39	142.64	0.15	43.71
0.986	20.71	5.92	1.6	5.38	142.48	0.1	43.71
1.042	20.71	5.92	1.83	5.38	139.08	0.12	43.71
1.095	20.71	5.92	1.98	5.37	137.83	0.11	43.71
1.155	20.7	5.92	1.79	5.39	135.49	0.14	43.71
1.215	20.7	5.92	1.87	5.39	136.62	0.11	43.71
1.272	20.7	5.92	1.83	5.4	137.42	0.13	43.71
1.328	20.7	5.92	1.95	5.39	135.93	0.12	43.71
1.372	20.7	5.92	1.83	5.38	132.84	0.11	43.71
1.41	20.7	5.92	1.79	5.38	134.77	0.12	43.71
1.452	20.69	5.92	1.91	5.38	135.11	0.13	43.71
1.501	20.69	5.92	1.76	5.39	135.08	0.14	43.71
1.549	20.69	5.92	1.98	5.4	133.93	0.09	43.71
1.596	20.69	5.92	1.91	5.42	134.27	0.1	43.72
1.643	20.68	5.92	1.64	5.42	134.14	0.13	43.72
1.687	20.68	5.92	1.72	5.43	133.55	0.15	43.72
1.726	20.68	5.92	1.87	5.42	133.46	0.12	43.72
1.766	20.68	5.92	1.68	5.41	134.05	0.14	43.72

1.812	20.68	5.92	1.72	5.4	134.74	0.15	43.72
1.861	20.67	5.92	1.76	5.39	134.83	0.11	43.72
1.904	20.67	5.92	1.76	5.39	134.36	0.1	43.72
1.95	20.67	5.92	1.76	5.39	134.95	0.13	43.73
1.996	20.67	5.92	1.64	5.4	135.14	0.12	43.73
2.041	20.66	5.92	2.17	5.41	135.87	0.11	43.73
2.09	20.66	5.92	1.72	5.44	136.28	0.11	43.73
2.14	20.66	5.92	1.79	5.45	137.48	0.12	43.73
2.183	20.66	5.92	1.68	5.46	137.77	0.12	43.73
2.221	20.66	5.92	1.76	5.46	137.54	0.13	43.73
2.264	20.66	5.92	1.6	5.46	137.83	0.09	43.73
2.308	20.65	5.92	1.68	5.46	138.5	0.1	43.73
2.353	20.65	5.92	1.83	5.45	139.47	0.09	43.73
2.398	20.65	5.92	1.68	5.45	140.15	0.15	43.73
2.44	20.65	5.92	1.76	5.46	141.92	0.15	43.73
2.477	20.65	5.92	1.76	5.46	141.88	0.15	43.73
2.514	20.64	5.92	1.72	5.48	142.84	0.15	43.73
2.558	20.64	5.92	1.56	5.48	142.51	0.12	43.74
2.601	20.64	5.92	1.83	5.48	145.14	0.12	43.74
2.641	20.64	5.92	1.76	5.48	144.87	0.11	43.74
2.685	20.64	5.92	1.64	5.5	145.14	0.11	43.74
2.729	20.64	5.92	2.1	5.52	146.05	0.13	43.74
2.773	20.64	5.92	1.76	5.53	149.06	0.13	43.74
2.818	20.63	5.92	1.68	5.54	147.62	0.12	43.74
2.864	20.63	5.92	1.83	5.53	147.76	0.1	43.74
2.906	20.63	5.92	1.87	5.5	151.4	0.11	43.74
2.934	20.63	5.92	1.49	5.47	149.51	0.14	43.74
2.96	20.62	5.92	1.45	5.43	149.51	0.14	43.74
2.998	20.62	5.92	1.76	5.4	150.98	0.13	43.74
3.039	20.62	5.92	1.76	5.37	152.21	0.1	43.75
3.076	20.61	5.92	1.79	5.36	150.56	0.11	43.75
3.107	20.61	5.92	1.53	5.37	149.27	0.11	43.75
3.124	20.61	5.92	1.45	5.39	154.12	0.12	43.75
3.128	20.61	5.91	1.49	5.42	151.96	0.1	43.75
3.13	20.61	5.91	1.68	5.43	160.58	0.14	43.75
3.131	20.61	5.91	1.49	5.44	161.81	0.14	43.75



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	19.29	4.4	0.04	5.34	63.14	0.08	32.39
PROF (metros)	0.074	0.074	0.298	1.532	5.921	3.491	0.074
MÁXIMO	20.87	20.87	3.01	6.33	837.68	3.11	44.38
PROF (metros)	0.308	0.298	4.469	0.074	0.074	0.298	0.184

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

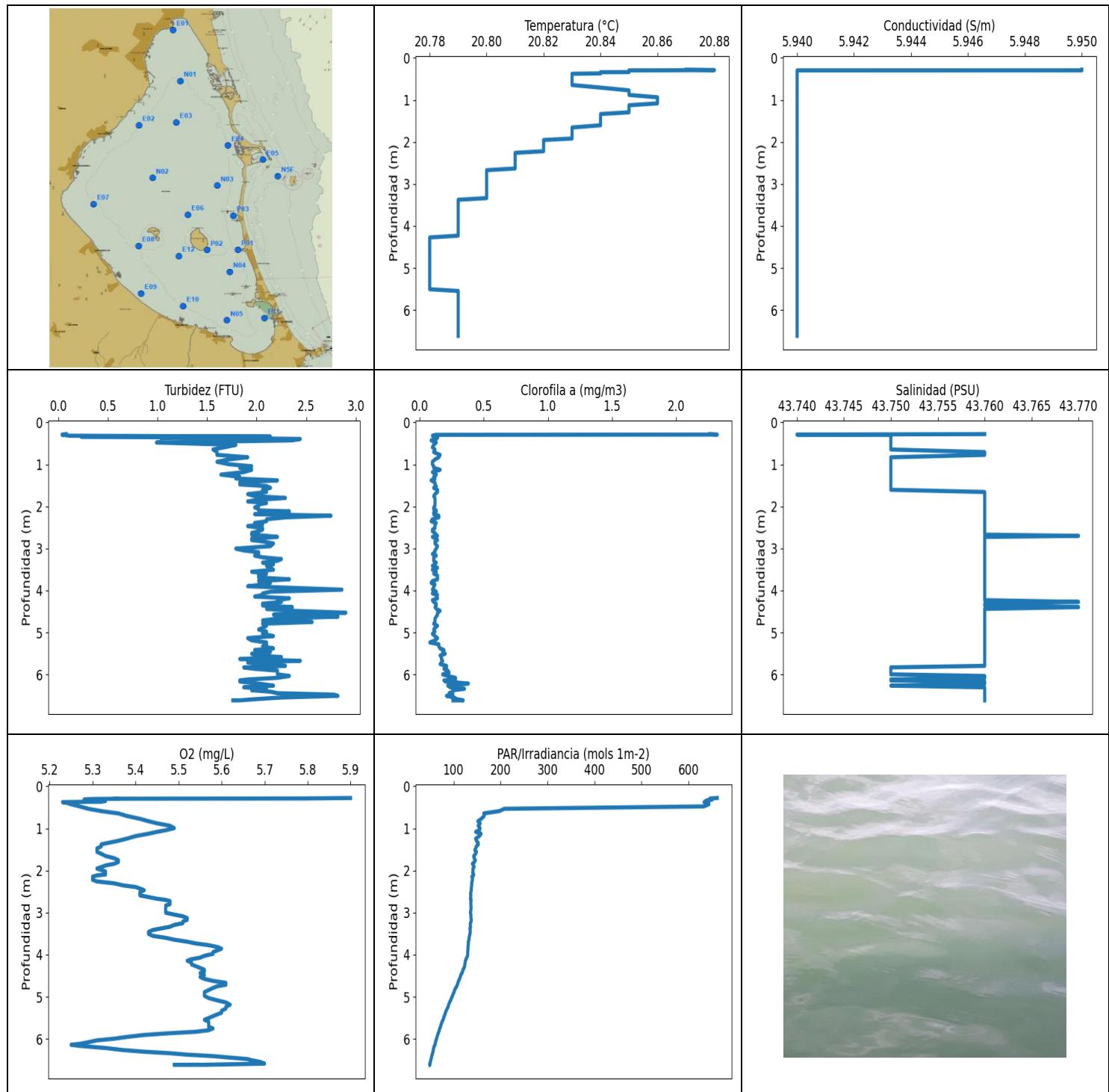
CTD E12 - Punto 015	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.72	5.87	1.15	5.57	450.65	0.6	43.27
1 - 2m	20.84	5.94	1.93	5.4	155.06	0.12	43.76
2 - 3m	20.82	5.94	2.01	5.58	143.37	0.12	43.76
3 - 4m	20.8	5.94	2.12	5.55	135.31	0.12	43.76
4 - 5m	20.8	5.94	2.16	5.44	104.26	0.12	43.76
5 - 6m	20.8	5.94	2.13	5.45	72.5	0.23	43.77

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.074	19.29	4.4	0.08	6.33	837.68	0.09	32.39
0.184	19.85	5.89	0.11	5.66	744.46	0.13	44.38
0.298	20.86	5.95	0.04	5.95	708.93	3.11	43.78
0.308	20.87	5.95	0.08	5.95	710.08	2.94	43.77
0.311	20.87	5.95	0.08	5.94	711.4	2.98	43.77
0.317	20.87	5.95	0.04	5.95	705.16	2.09	43.77
0.324	20.83	5.94	0.08	5.35	695.59	0.11	43.76
0.331	20.83	5.94	0.08	5.35	716.2	0.1	43.77
0.362	20.82	5.94	0.04	5.36	708.11	0.14	43.76
0.395	20.82	5.94	2.82	5.38	705.16	0.15	43.76
0.459	20.82	5.94	1.6	5.39	696.39	0.14	43.76
0.522	20.82	5.94	1.87	5.41	220.64	0.11	43.76
0.58	20.82	5.94	1.68	5.41	199.9	0.11	43.76
0.627	20.82	5.94	1.87	5.42	176.67	0.13	43.76
0.658	20.82	5.94	2.02	5.42	178.56	0.12	43.75
0.7	20.82	5.94	1.37	5.43	183.43	0.09	43.76
0.768	20.83	5.94	1.91	5.44	180.43	0.15	43.77
0.833	20.84	5.94	1.95	5.46	165.72	0.13	43.76
0.885	20.84	5.94	1.72	5.48	162.83	0.11	43.75
0.929	20.85	5.94	1.72	5.49	163.24	0.13	43.75
0.962	20.85	5.94	2.02	5.49	169.41	0.1	43.75
0.995	20.85	5.95	2.06	5.48	174.35	0.12	43.76
1.041	20.86	5.95	1.98	5.47	167.85	0.09	43.76
1.096	20.85	5.95	2.02	5.45	156.32	0.11	43.76
1.153	20.85	5.95	1.6	5.44	160.47	0.09	43.76
1.206	20.85	5.94	1.68	5.43	163.54	0.12	43.76
1.254	20.85	5.94	1.83	5.43	159.21	0.11	43.76
1.293	20.85	5.94	1.91	5.42	164.3	0.12	43.75
1.333	20.85	5.94	1.98	5.41	159.43	0.09	43.76
1.389	20.85	5.95	2.06	5.4	156.61	0.15	43.76
1.453	20.84	5.94	2.1	5.38	155.59	0.14	43.76
1.502	20.84	5.94	1.98	5.36	152.42	0.12	43.75
1.532	20.84	5.94	1.68	5.34	154.05	0.11	43.76
1.568	20.84	5.94	1.95	5.34	155.99	0.12	43.76
1.61	20.84	5.94	1.83	5.34	155.63	0.12	43.76
1.655	20.84	5.94	1.98	5.36	149.69	0.13	43.75

1.707	20.83	5.94	2.02	5.37	149.13	0.15	43.76
1.752	20.83	5.94	1.87	5.39	151.54	0.13	43.76
1.789	20.83	5.94	1.98	5.39	150.84	0.11	43.75
1.826	20.83	5.94	2.06	5.39	149.24	0.13	43.76
1.869	20.83	5.94	2.06	5.39	147.0	0.1	43.76
1.919	20.83	5.94	1.95	5.4	148.82	0.14	43.76
1.971	20.83	5.94	2.06	5.41	148.68	0.15	43.76
2.007	20.83	5.94	2.06	5.44	146.43	0.11	43.76
2.032	20.82	5.94	1.76	5.47	144.44	0.12	43.76
2.066	20.82	5.94	2.06	5.5	144.34	0.1	43.77
2.116	20.82	5.94	1.91	5.54	148.51	0.14	43.76
2.165	20.82	5.94	1.98	5.56	147.11	0.11	43.76
2.203	20.82	5.94	1.95	5.57	141.16	0.09	43.76
2.232	20.82	5.94	1.95	5.58	140.57	0.13	43.76
2.261	20.82	5.94	1.76	5.59	143.8	0.12	43.76
2.306	20.82	5.94	1.91	5.59	148.24	0.13	43.77
2.358	20.82	5.94	1.98	5.61	144.84	0.09	43.76
2.402	20.82	5.94	1.91	5.62	137.9	0.13	43.76
2.441	20.82	5.94	1.64	5.61	140.15	0.12	43.76
2.476	20.82	5.94	1.72	5.58	144.14	0.14	43.76
2.506	20.81	5.94	2.06	5.56	146.97	0.11	43.76
2.554	20.81	5.94	2.02	5.54	145.82	0.12	43.77
2.607	20.81	5.94	1.98	5.54	141.06	0.09	43.76
2.648	20.81	5.94	2.21	5.55	139.47	0.11	43.76
2.678	20.81	5.94	2.25	5.55	141.19	0.11	43.76
2.707	20.81	5.94	2.44	5.57	143.8	0.09	43.77
2.75	20.81	5.94	2.1	5.59	144.84	0.12	43.76
2.807	20.81	5.94	2.1	5.62	143.84	0.11	43.76
2.862	20.81	5.94	2.14	5.64	141.06	0.13	43.76
2.901	20.81	5.94	2.21	5.65	139.83	0.11	43.76
2.925	20.81	5.94	1.98	5.65	142.67	0.12	43.76
2.941	20.81	5.94	1.87	5.64	143.9	0.12	43.76
2.976	20.81	5.94	2.25	5.63	141.65	0.12	43.77
3.028	20.81	5.94	2.02	5.62	140.09	0.1	43.76
3.078	20.81	5.94	2.06	5.6	141.88	0.11	43.76
3.112	20.81	5.94	2.06	5.59	145.11	0.15	43.76
3.138	20.8	5.94	2.17	5.58	141.65	0.14	43.77
3.169	20.8	5.94	2.21	5.55	138.79	0.12	43.76
3.208	20.8	5.94	2.02	5.53	139.99	0.13	43.76
3.252	20.8	5.94	1.91	5.52	140.97	0.14	43.76
3.304	20.8	5.94	2.29	5.52	141.39	0.13	43.77
3.351	20.8	5.94	2.29	5.52	140.48	0.13	43.76
3.387	20.8	5.94	2.33	5.54	139.86	0.11	43.76
3.417	20.8	5.94	2.33	5.55	136.21	0.1	43.77
3.451	20.8	5.94	2.29	5.56	136.75	0.13	43.76
3.491	20.8	5.94	2.1	5.57	139.12	0.08	43.76
3.542	20.8	5.94	2.33	5.57	138.18	0.12	43.77
3.595	20.8	5.94	2.02	5.56	135.21	0.12	43.76
3.648	20.8	5.94	1.98	5.55	130.98	0.09	43.76
3.692	20.8	5.94	1.79	5.53	129.35	0.12	43.76
3.731	20.8	5.94	1.95	5.53	131.16	0.11	43.76
3.772	20.8	5.94	2.21	5.53	133.8	0.11	43.77
3.819	20.8	5.94	2.44	5.53	129.41	0.14	43.77
3.87	20.8	5.94	1.98	5.55	123.63	0.15	43.76
3.919	20.8	5.94	2.02	5.56	123.41	0.11	43.76
3.956	20.8	5.94	2.02	5.57	125.08	0.11	43.76
3.988	20.8	5.94	1.95	5.58	124.9	0.13	43.77
4.022	20.8	5.94	2.14	5.58	121.87	0.11	43.77

4.064	20.8	5.94	1.95	5.57	119.94	0.14	43.77
4.116	20.8	5.94	1.98	5.56	118.06	0.14	43.77
4.164	20.8	5.94	1.95	5.54	116.78	0.1	43.76
4.196	20.8	5.94	1.95	5.51	116.67	0.14	43.76
4.224	20.8	5.94	1.72	5.48	115.3	0.11	43.77
4.267	20.8	5.94	2.02	5.44	113.08	0.12	43.77
4.325	20.8	5.94	2.02	5.41	111.6	0.12	43.76
4.378	20.8	5.94	1.98	5.4	109.88	0.1	43.76
4.425	20.8	5.94	2.21	5.4	108.03	0.13	43.77
4.469	20.8	5.94	3.01	5.41	106.0	0.15	43.77
4.512	20.8	5.94	2.25	5.42	104.9	0.17	43.76
4.55	20.8	5.94	2.14	5.43	103.79	0.12	43.76
4.587	20.8	5.94	2.14	5.44	102.52	0.14	43.77
4.629	20.8	5.94	2.36	5.43	101.17	0.13	43.77
4.668	20.8	5.94	2.78	5.43	100.31	0.11	43.76
4.698	20.8	5.94	2.21	5.4	99.57	0.12	43.76
4.723	20.8	5.94	2.1	5.39	98.54	0.12	43.77
4.753	20.8	5.94	2.25	5.4	97.33	0.14	43.77
4.793	20.79	5.94	2.59	5.41	95.54	0.13	43.76
4.834	20.79	5.94	1.87	5.42	94.27	0.14	43.76
4.864	20.79	5.94	1.95	5.43	93.79	0.1	43.76
4.889	20.79	5.94	2.1	5.43	92.95	0.14	43.76
4.912	20.79	5.94	2.25	5.41	91.54	0.1	43.76
4.949	20.79	5.94	2.02	5.39	89.33	0.11	43.77
4.999	20.8	5.94	2.17	5.37	87.9	0.13	43.77
5.043	20.79	5.94	2.33	5.34	87.15	0.24	43.76
5.078	20.79	5.94	2.1	5.34	85.5	0.22	43.76
5.113	20.79	5.94	1.95	5.35	84.95	0.19	43.77
5.155	20.79	5.94	2.21	5.37	82.47	0.23	43.77
5.203	20.79	5.94	2.59	5.4	80.73	0.22	43.76
5.255	20.79	5.94	2.36	5.44	79.71	0.15	43.76
5.3	20.79	5.94	2.29	5.49	78.55	0.17	43.76
5.333	20.79	5.94	2.21	5.51	78.04	0.13	43.76
5.367	20.79	5.94	2.21	5.53	76.54	0.14	43.77
5.416	20.8	5.94	2.02	5.53	74.61	0.25	43.77
5.463	20.8	5.94	2.14	5.53	73.36	0.26	43.76
5.5	20.8	5.94	2.21	5.5	73.29	0.22	43.76
5.523	20.79	5.94	1.98	5.49	73.22	0.21	43.77
5.546	20.8	5.94	1.91	5.48	71.46	0.19	43.77
5.587	20.8	5.94	2.1	5.48	69.76	0.3	43.77
5.64	20.8	5.94	1.98	5.48	68.75	0.28	43.76
5.683	20.8	5.94	2.1	5.47	68.3	0.22	43.76
5.705	20.8	5.94	2.02	5.48	68.58	0.19	43.77
5.716	20.8	5.94	2.1	5.48	67.83	0.22	43.77
5.742	20.8	5.94	2.02	5.48	66.93	0.31	43.77
5.791	20.8	5.94	2.1	5.48	65.1	0.27	43.77
5.843	20.8	5.94	2.1	5.46	64.71	0.21	43.77
5.875	20.8	5.94	2.17	5.43	64.13	0.2	43.77
5.897	20.8	5.94	1.98	5.41	63.7	0.25	43.77
5.914	20.8	5.94	2.1	5.39	63.47	0.32	43.77
5.921	20.8	5.94	2.06	5.35	63.14	0.23	43.76
5.923	20.8	5.94	2.1	5.34	63.48	0.33	43.77



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	20.78	5.94	0.04	5.23	49.21	0.08	43.74
PROF (metros)	4.272	0.296	0.289	0.376	6.615	5.236	0.289
MÁXIMO	20.88	20.88	2.9	5.9	661.77	2.32	43.77
PROF (metros)	0.289	0.278	4.528	0.278	0.278	0.289	2.699

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS 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	20.85	5.94	1.09	5.39	485.89	0.32	43.75
1 - 2m	20.84	5.94	1.97	5.35	147.04	0.12	43.75
2 - 3m	20.81	5.94	2.1	5.4	138.11	0.12	43.76
3 - 4m	20.79	5.94	2.11	5.51	133.8	0.12	43.76
4 - 5m	20.78	5.94	2.22	5.56	114.67	0.13	43.76
5 - 6m	20.79	5.94	2.08	5.55	77.85	0.17	43.76
6 - 7m	20.79	5.94	2.11	5.47	54.98	0.26	43.76

OBSERVACIONES GENERALES

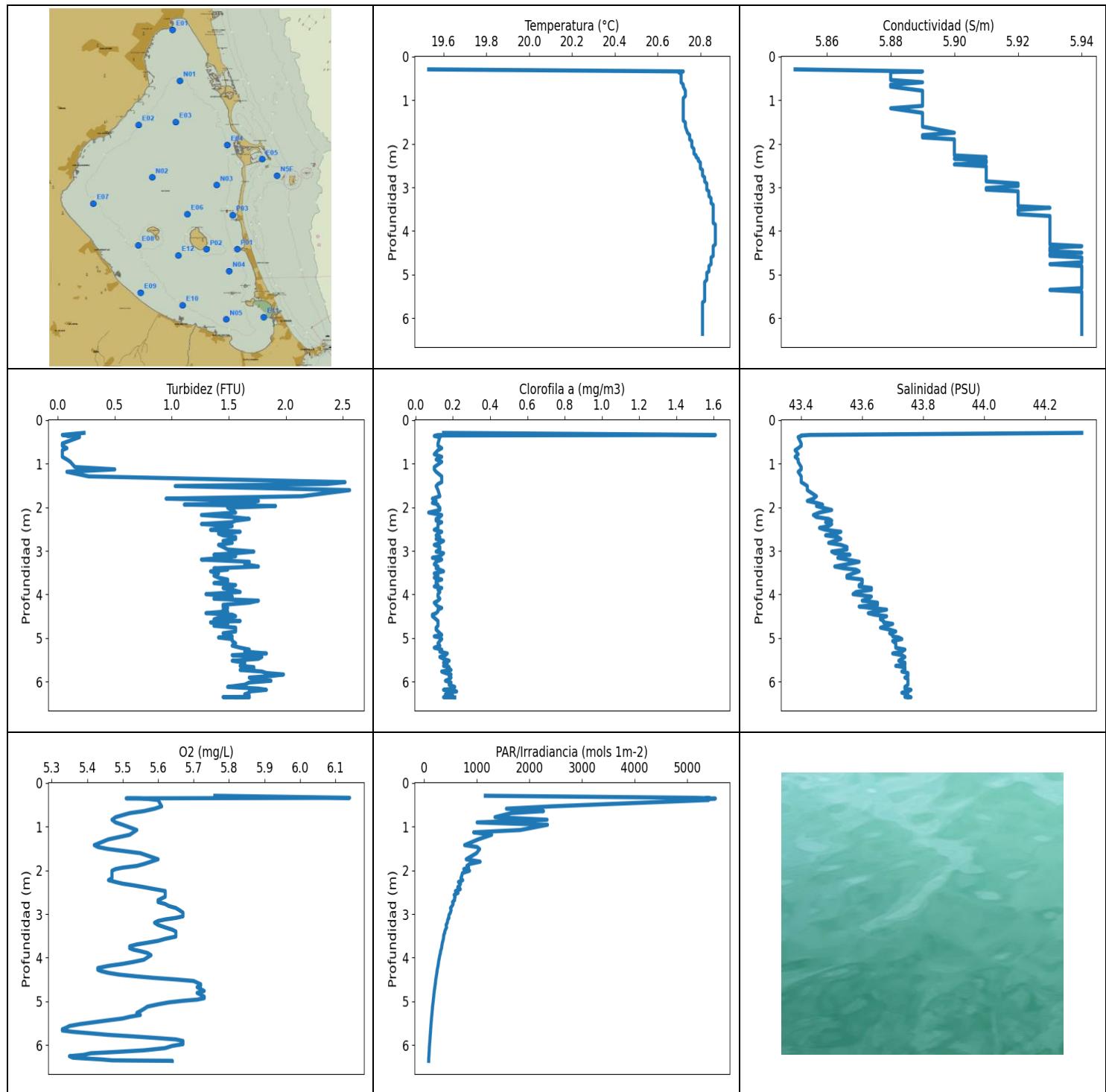
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.278	20.87	5.95	0.08	5.9	661.77	2.26	43.76
0.289	20.88	5.95	0.04	5.79	646.61	2.32	43.74
0.292	20.87	5.95	0.08	5.54	649.16	0.95	43.75
0.293	20.87	5.95	0.08	5.48	650.67	0.38	43.75
0.295	20.86	5.95	0.08	5.35	652.78	0.14	43.75
0.296	20.85	5.94	0.04	5.36	652.63	0.12	43.75
0.301	20.85	5.94	0.08	5.3	645.86	0.12	43.75
0.306	20.85	5.94	0.08	5.29	649.16	0.12	43.75
0.316	20.85	5.94	0.11	5.28	650.52	0.1	43.75
0.337	20.85	5.94	2.14	5.29	639.46	0.13	43.75
0.339	20.84	5.94	0.23	5.31	641.53	0.14	43.75
0.35	20.84	5.94	1.18	5.33	636.2	0.11	43.75
0.367	20.84	5.94	1.03	5.32	638.86	0.14	43.75
0.368	20.84	5.94	1.49	5.29	640.35	0.11	43.75
0.376	20.83	5.94	1.83	5.23	633.56	0.12	43.75
0.393	20.83	5.94	2.44	5.24	643.77	0.13	43.75
0.427	20.83	5.94	2.36	5.25	643.77	0.09	43.75
0.478	20.83	5.94	0.99	5.27	632.82	0.13	43.75
0.534	20.83	5.94	1.79	5.29	207.98	0.11	43.75
0.589	20.83	5.94	1.68	5.32	197.14	0.1	43.75
0.644	20.83	5.94	1.56	5.36	164.23	0.12	43.75
0.706	20.84	5.94	1.6	5.38	164.88	0.11	43.76
0.772	20.85	5.94	1.6	5.41	158.91	0.16	43.76
0.829	20.85	5.94	1.91	5.43	151.54	0.15	43.75
0.88	20.85	5.94	1.72	5.45	156.5	0.12	43.75
0.937	20.86	5.94	1.6	5.48	152.1	0.1	43.75
0.994	20.86	5.94	1.72	5.49	156.28	0.1	43.75
1.043	20.86	5.94	1.95	5.47	154.84	0.11	43.75
1.081	20.86	5.94	1.83	5.45	146.87	0.11	43.75
1.126	20.85	5.94	1.95	5.43	158.43	0.16	43.75
1.183	20.85	5.94	1.87	5.4	154.7	0.1	43.75
1.242	20.85	5.94	1.64	5.38	146.8	0.13	43.75
1.294	20.85	5.94	1.83	5.36	148.48	0.11	43.75
1.335	20.84	5.94	1.79	5.34	151.96	0.12	43.75
1.378	20.84	5.94	2.21	5.32	152.59	0.09	43.75

1.428	20.84	5.94	1.83	5.32	148.17	0.12	43.75
1.476	20.84	5.94	1.83	5.31	146.87	0.12	43.75
1.515	20.84	5.94	2.1	5.31	144.97	0.13	43.75
1.556	20.84	5.94	2.14	5.31	148.51	0.11	43.75
1.603	20.84	5.94	2.06	5.32	146.83	0.14	43.75
1.655	20.83	5.94	2.1	5.33	142.71	0.14	43.76
1.707	20.83	5.94	1.91	5.35	143.57	0.12	43.76
1.754	20.83	5.94	1.98	5.36	146.22	0.11	43.76
1.798	20.83	5.94	2.29	5.36	144.14	0.12	43.76
1.84	20.83	5.94	2.02	5.35	139.83	0.12	43.76
1.88	20.83	5.94	1.91	5.33	142.58	0.12	43.76
1.918	20.83	5.94	2.1	5.32	143.44	0.12	43.76
1.953	20.82	5.94	2.02	5.31	141.06	0.12	43.76
1.987	20.82	5.94	2.02	5.32	141.26	0.12	43.76
2.023	20.82	5.94	1.98	5.33	140.9	0.11	43.76
2.062	20.82	5.94	2.02	5.33	140.83	0.11	43.76
2.094	20.82	5.94	2.02	5.33	142.67	0.13	43.76
2.116	20.82	5.94	2.33	5.31	142.28	0.13	43.76
2.146	20.82	5.94	2.25	5.3	138.7	0.11	43.76
2.183	20.82	5.94	1.98	5.3	139.96	0.11	43.76
2.22	20.82	5.94	2.75	5.3	139.92	0.15	43.76
2.259	20.81	5.94	2.29	5.31	139.28	0.15	43.76
2.304	20.81	5.94	2.1	5.35	138.15	0.1	43.76
2.352	20.81	5.94	2.1	5.37	138.57	0.09	43.76
2.392	20.81	5.94	1.98	5.4	137.83	0.13	43.76
2.427	20.81	5.94	2.06	5.41	137.42	0.12	43.76
2.468	20.81	5.94	1.91	5.42	137.61	0.12	43.76
2.513	20.81	5.94	2.06	5.41	136.62	0.12	43.76
2.552	20.81	5.94	2.06	5.41	136.05	0.1	43.76
2.59	20.81	5.94	2.02	5.41	136.53	0.1	43.76
2.631	20.81	5.94	1.95	5.43	136.18	0.12	43.76
2.671	20.8	5.94	1.95	5.45	135.68	0.13	43.76
2.699	20.8	5.94	2.1	5.47	137.07	0.14	43.77
2.725	20.8	5.94	2.21	5.48	137.0	0.1	43.76
2.764	20.8	5.94	1.95	5.48	136.34	0.13	43.76
2.8	20.8	5.94	1.95	5.48	136.88	0.14	43.76
2.831	20.8	5.94	2.06	5.47	136.62	0.12	43.76
2.88	20.8	5.94	2.17	5.47	137.19	0.12	43.76
2.944	20.8	5.94	2.14	5.47	136.56	0.14	43.76
3.003	20.8	5.94	1.79	5.47	135.49	0.13	43.76
3.047	20.8	5.94	1.87	5.49	136.78	0.12	43.76
3.088	20.8	5.94	2.02	5.51	136.78	0.12	43.76
3.13	20.8	5.94	2.02	5.52	136.81	0.1	43.76
3.17	20.8	5.94	1.98	5.52	137.61	0.13	43.76
3.21	20.8	5.94	2.06	5.51	137.26	0.11	43.76
3.252	20.8	5.94	2.25	5.51	135.58	0.11	43.76
3.292	20.8	5.94	2.21	5.49	135.39	0.11	43.76
3.336	20.8	5.94	2.06	5.48	136.05	0.13	43.76
3.375	20.79	5.94	2.17	5.46	134.58	0.12	43.76
3.413	20.79	5.94	2.1	5.44	135.21	0.1	43.76
3.459	20.79	5.94	2.14	5.43	135.33	0.14	43.76
3.506	20.79	5.94	2.17	5.43	134.67	0.1	43.76
3.553	20.79	5.94	1.95	5.44	133.74	0.13	43.76
3.599	20.79	5.94	2.1	5.47	132.81	0.11	43.76
3.644	20.79	5.94	2.02	5.49	132.6	0.14	43.76
3.691	20.79	5.94	2.02	5.52	131.16	0.14	43.76
3.733	20.79	5.94	2.33	5.54	131.44	0.14	43.76
3.774	20.79	5.94	2.02	5.57	130.89	0.1	43.76

3.817	20.79	5.94	2.14	5.59	130.71	0.09	43.76
3.858	20.79	5.94	2.06	5.6	130.4	0.12	43.76
3.899	20.79	5.94	1.91	5.59	130.07	0.11	43.76
3.937	20.79	5.94	2.36	5.58	129.89	0.11	43.76
3.98	20.79	5.94	2.86	5.58	129.95	0.1	43.76
4.027	20.79	5.94	2.14	5.56	129.56	0.13	43.76
4.07	20.79	5.94	2.06	5.55	127.77	0.1	43.76
4.107	20.79	5.94	2.06	5.53	126.24	0.14	43.76
4.144	20.79	5.94	1.98	5.52	124.96	0.13	43.76
4.185	20.79	5.94	2.33	5.53	124.53	0.14	43.76
4.23	20.79	5.94	2.21	5.53	123.69	0.1	43.76
4.272	20.78	5.94	2.25	5.54	123.32	0.11	43.77
4.313	20.78	5.94	2.06	5.55	122.13	0.13	43.76
4.356	20.78	5.94	2.06	5.56	119.71	0.13	43.76
4.395	20.78	5.94	2.36	5.56	119.19	0.12	43.77
4.437	20.78	5.94	2.1	5.55	117.49	0.13	43.76
4.483	20.78	5.94	2.36	5.56	115.04	0.16	43.76
4.528	20.78	5.94	2.9	5.55	113.97	0.14	43.76
4.575	20.78	5.94	2.17	5.56	112.56	0.14	43.76
4.622	20.78	5.94	2.82	5.58	110.34	0.13	43.76
4.668	20.78	5.94	2.21	5.61	109.06	0.12	43.76
4.713	20.78	5.94	2.06	5.61	107.88	0.12	43.76
4.749	20.78	5.94	2.56	5.59	106.62	0.12	43.76
4.79	20.78	5.94	2.06	5.58	104.22	0.11	43.76
4.839	20.78	5.94	2.1	5.57	102.0	0.14	43.76
4.889	20.78	5.94	2.06	5.56	100.85	0.12	43.76
4.929	20.78	5.94	2.02	5.56	98.92	0.11	43.76
4.976	20.78	5.94	2.1	5.56	97.4	0.12	43.76
5.03	20.78	5.94	2.06	5.57	95.3	0.1	43.76
5.085	20.78	5.94	2.17	5.59	93.49	0.12	43.76
5.133	20.78	5.94	1.91	5.61	91.24	0.14	43.76
5.186	20.78	5.94	1.95	5.62	89.27	0.12	43.76
5.236	20.78	5.94	2.1	5.61	88.28	0.08	43.76
5.28	20.78	5.94	2.1	5.61	86.1	0.15	43.76
5.33	20.78	5.94	2.06	5.6	83.97	0.15	43.76
5.379	20.78	5.94	2.17	5.6	82.39	0.16	43.76
5.417	20.78	5.94	1.98	5.59	81.42	0.19	43.76
5.46	20.78	5.94	2.14	5.58	79.84	0.18	43.76
5.505	20.78	5.94	1.95	5.57	78.59	0.2	43.76
5.546	20.79	5.94	2.02	5.56	77.38	0.16	43.76
5.585	20.79	5.94	2.25	5.57	75.6	0.17	43.76
5.631	20.79	5.94	1.83	5.57	73.94	0.17	43.76
5.673	20.79	5.94	2.44	5.57	72.82	0.18	43.76
5.712	20.79	5.94	1.91	5.57	71.96	0.17	43.76
5.751	20.79	5.94	2.1	5.58	70.36	0.16	43.76
5.793	20.79	5.94	2.29	5.57	69.25	0.21	43.76
5.83	20.79	5.94	1.87	5.54	68.34	0.21	43.75
5.864	20.79	5.94	1.98	5.48	67.0	0.19	43.75
5.906	20.79	5.94	2.21	5.42	65.88	0.22	43.75
5.952	20.79	5.94	2.21	5.38	64.55	0.23	43.75
5.995	20.79	5.94	2.21	5.35	63.58	0.18	43.75
6.034	20.79	5.94	2.33	5.31	62.5	0.22	43.76
6.078	20.79	5.94	2.21	5.29	61.21	0.28	43.76
6.117	20.79	5.94	1.91	5.27	60.54	0.28	43.75
6.14	20.79	5.94	1.83	5.25	60.37	0.19	43.75
6.165	20.79	5.94	1.83	5.27	58.82	0.2	43.76
6.216	20.79	5.94	2.02	5.33	57.19	0.38	43.76
6.264	20.79	5.94	2.17	5.37	56.63	0.22	43.75

6.304	20.79	5.94	1.87	5.42	55.73	0.24	43.76
6.34	20.79	5.94	2.1	5.48	55.23	0.35	43.76
6.374	20.79	5.94	1.95	5.52	53.99	0.26	43.76
6.408	20.79	5.94	2.14	5.58	53.28	0.26	43.76
6.444	20.79	5.94	2.21	5.62	52.63	0.23	43.76
6.478	20.79	5.94	2.78	5.66	51.85	0.26	43.76
6.507	20.79	5.94	2.82	5.67	51.22	0.21	43.76
6.546	20.79	5.94	2.25	5.69	50.21	0.27	43.76
6.587	20.79	5.94	1.98	5.7	49.55	0.29	43.76
6.614	20.79	5.94	1.83	5.56	49.42	0.34	43.76
6.615	20.79	5.94	1.76	5.49	49.21	0.26	43.76



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	19.53	5.85	0.04	5.33	86.66	0.07	43.38
PROF (metros)	0.293	0.293	0.34	5.64	6.36	2.121	0.69
MÁXIMO	20.87	20.87	2.56	6.14	5534.1	1.61	44.32
PROF (metros)	3.852	4.349	1.607	0.34	0.355	0.34	0.293

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD N03 - Punto 017	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.64	5.88	0.09	5.59	3219.83	0.22	43.46
1 - 2m	20.74	5.89	1.36	5.51	1003.73	0.11	43.42
2 - 3m	20.8	5.91	1.48	5.57	626.6	0.12	43.5
3 - 4m	20.86	5.92	1.49	5.6	380.98	0.12	43.57
4 - 5m	20.85	5.93	1.49	5.61	221.28	0.12	43.66
5 - 6m	20.82	5.94	1.69	5.51	131.94	0.16	43.73
6 - 7m	20.81	5.94	1.63	5.52	91.05	0.18	43.75

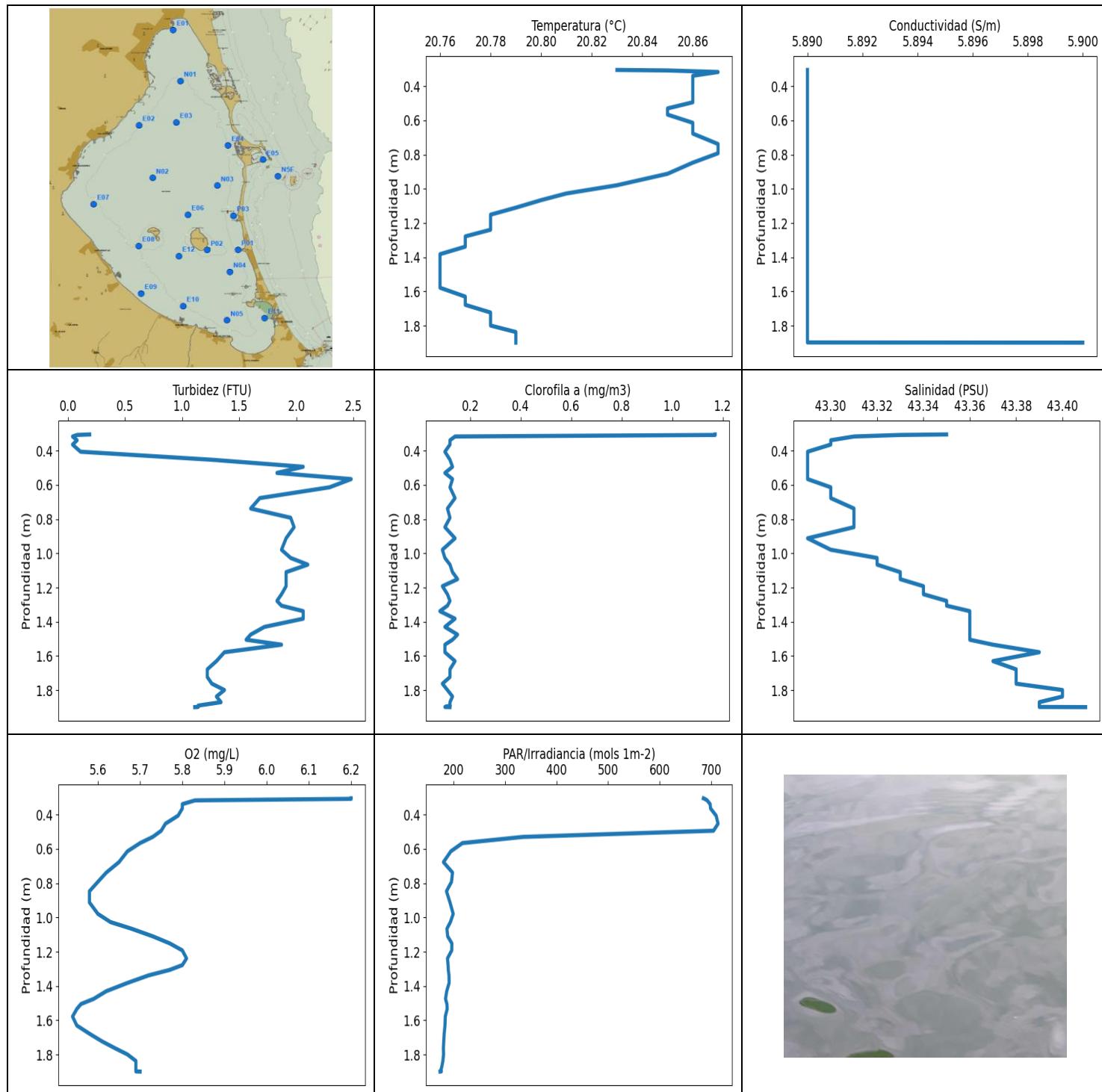
OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.293	19.53	5.85	0.23	5.76	1162.8	0.15	44.32
0.34	20.72	5.89	0.04	6.14	5149.2	1.61	43.43
0.352	20.71	5.88	0.08	5.51	5436.2	0.11	43.4
0.353	20.71	5.88	0.11	5.53	5345.0	0.14	43.4
0.355	20.7	5.88	0.08	5.55	5534.1	0.12	43.4
0.364	20.7	5.88	0.19	5.57	5330.1	0.1	43.4
0.39	20.71	5.88	0.19	5.6	5406.0	0.13	43.39
0.536	20.71	5.88	0.04	5.61	2411.5	0.12	43.4
0.589	20.71	5.89	0.04	5.59	1563.7	0.12	43.4
0.644	20.72	5.88	0.08	5.56	2268.4	0.14	43.39
0.69	20.72	5.88	0.04	5.52	1655.8	0.12	43.38
0.783	20.73	5.89	0.04	5.48	1346.6	0.1	43.39
0.842	20.73	5.89	0.04	5.47	2336.7	0.14	43.38
0.903	20.73	5.89	0.08	5.48	1007.6	0.11	43.39
0.957	20.72	5.89	0.11	5.5	2343.7	0.14	43.39
1.077	20.72	5.89	0.15	5.54	1829.4	0.1	43.4
1.13	20.72	5.89	0.5	5.53	942.13	0.1	43.4
1.186	20.72	5.88	0.08	5.52	1282.9	0.11	43.39
1.291	20.72	5.89	0.27	5.46	1027.7	0.14	43.4
1.423	20.72	5.89	2.52	5.42	769.73	0.14	43.4
1.466	20.72	5.89	2.36	5.43	1007.2	0.12	43.41
1.513	20.73	5.89	1.03	5.46	1054.5	0.11	43.42
1.607	20.73	5.89	2.56	5.55	995.56	0.12	43.42
1.747	20.74	5.9	2.14	5.6	799.92	0.13	43.45
1.802	20.75	5.89	0.95	5.58	1065.0	0.09	43.44
1.855	20.75	5.89	1.76	5.56	864.71	0.11	43.42
1.899	20.75	5.9	1.68	5.54	813.19	0.09	43.45
1.939	20.76	5.9	1.11	5.5	845.68	0.12	43.47
1.971	20.76	5.9	1.91	5.48	754.54	0.12	43.45
2.009	20.76	5.9	1.49	5.47	863.1	0.13	43.47
2.062	20.76	5.9	1.53	5.47	728.93	0.13	43.5
2.121	20.77	5.9	1.56	5.47	715.37	0.07	43.46
2.178	20.77	5.9	1.26	5.47	700.11	0.14	43.44
2.225	20.77	5.9	1.53	5.46	733.5	0.13	43.45
2.267	20.78	5.9	1.68	5.48	652.63	0.11	43.49

2.306	20.78	5.91	1.56	5.5	692.37	0.11	43.5
2.343	20.79	5.9	1.53	5.53	677.92	0.14	43.48
2.385	20.79	5.91	1.26	5.56	639.16	0.12	43.5
2.431	20.8	5.91	1.53	5.59	687.57	0.12	43.49
2.474	20.8	5.9	1.45	5.62	595.68	0.12	43.46
2.517	20.8	5.91	1.34	5.62	645.86	0.1	43.48
2.562	20.8	5.91	1.6	5.62	571.07	0.14	43.53
2.605	20.81	5.91	1.41	5.62	588.95	0.12	43.51
2.645	20.81	5.91	1.45	5.61	577.19	0.11	43.48
2.683	20.81	5.91	1.56	5.6	580.14	0.13	43.52
2.727	20.81	5.91	1.56	5.6	539.55	0.11	43.53
2.772	20.82	5.91	1.45	5.62	551.56	0.15	43.51
2.817	20.82	5.91	1.53	5.63	530.74	0.13	43.49
2.863	20.82	5.91	1.41	5.65	502.14	0.1	43.53
2.912	20.83	5.92	1.45	5.66	512.6	0.13	43.55
2.968	20.83	5.92	1.49	5.67	499.12	0.13	43.55
3.017	20.83	5.91	1.72	5.67	475.96	0.11	43.5
3.054	20.83	5.91	1.56	5.67	467.54	0.15	43.51
3.09	20.84	5.92	1.37	5.65	472.12	0.14	43.56
3.125	20.84	5.92	1.56	5.62	450.63	0.13	43.53
3.16	20.84	5.92	1.45	5.6	445.43	0.09	43.52
3.2	20.84	5.92	1.26	5.59	440.4	0.14	43.55
3.251	20.85	5.92	1.68	5.6	417.73	0.11	43.59
3.308	20.85	5.92	1.64	5.62	426.84	0.1	43.55
3.36	20.85	5.92	1.76	5.64	405.34	0.12	43.51
3.401	20.86	5.92	1.37	5.65	392.58	0.11	43.54
3.432	20.86	5.92	1.49	5.65	392.21	0.13	43.58
3.47	20.86	5.93	1.34	5.65	375.92	0.15	43.59
3.518	20.86	5.92	1.41	5.65	370.3	0.1	43.57
3.57	20.86	5.92	1.37	5.62	366.89	0.12	43.55
3.616	20.86	5.92	1.41	5.6	356.16	0.1	43.55
3.658	20.86	5.93	1.49	5.57	346.71	0.14	43.6
3.698	20.86	5.93	1.49	5.54	340.9	0.11	43.6
3.741	20.86	5.93	1.37	5.52	335.33	0.11	43.6
3.785	20.86	5.93	1.56	5.52	330.55	0.12	43.59
3.817	20.86	5.93	1.53	5.53	321.85	0.1	43.59
3.852	20.87	5.93	1.45	5.55	313.32	0.14	43.63
3.894	20.87	5.93	1.53	5.57	309.56	0.12	43.63
3.944	20.87	5.93	1.6	5.58	298.85	0.13	43.58
3.994	20.87	5.93	1.3	5.57	290.51	0.12	43.57
4.048	20.87	5.93	1.53	5.56	282.61	0.12	43.63
4.099	20.87	5.93	1.37	5.53	273.91	0.13	43.62
4.143	20.87	5.93	1.76	5.5	270.56	0.12	43.6
4.189	20.87	5.93	1.68	5.46	263.87	0.1	43.65
4.239	20.87	5.93	1.45	5.43	255.33	0.11	43.65
4.278	20.87	5.93	1.45	5.43	249.13	0.12	43.59
4.311	20.87	5.93	1.49	5.44	244.95	0.14	43.63
4.349	20.86	5.94	1.45	5.46	241.96	0.12	43.68
4.389	20.86	5.93	1.49	5.49	236.47	0.12	43.65
4.43	20.86	5.93	1.3	5.54	232.02	0.11	43.62
4.465	20.86	5.93	1.53	5.59	225.24	0.09	43.64
4.5	20.86	5.94	1.56	5.65	221.61	0.09	43.68
4.535	20.86	5.93	1.41	5.7	218.91	0.1	43.66
4.573	20.86	5.93	1.37	5.71	215.54	0.11	43.66
4.609	20.85	5.94	1.6	5.72	212.02	0.12	43.67
4.641	20.85	5.94	1.34	5.72	207.59	0.12	43.67
4.676	20.85	5.94	1.49	5.71	204.02	0.12	43.7
4.719	20.85	5.94	1.37	5.72	198.56	0.12	43.68

4.763	20.85	5.93	1.56	5.73	193.2	0.11	43.66
4.807	20.84	5.94	1.56	5.71	189.34	0.11	43.69
4.85	20.84	5.94	1.56	5.72	186.04	0.12	43.71
4.891	20.84	5.94	1.45	5.73	181.14	0.13	43.69
4.929	20.84	5.94	1.49	5.73	178.15	0.14	43.7
4.962	20.83	5.94	1.53	5.71	175.85	0.1	43.7
4.989	20.83	5.94	1.41	5.67	173.86	0.13	43.72
5.025	20.83	5.94	1.53	5.63	170.31	0.14	43.73
5.069	20.83	5.94	1.53	5.6	165.03	0.13	43.7
5.122	20.83	5.94	1.56	5.57	159.43	0.12	43.71
5.175	20.82	5.94	1.53	5.56	156.93	0.13	43.71
5.223	20.82	5.94	1.6	5.55	153.05	0.1	43.71
5.266	20.82	5.94	1.68	5.54	149.62	0.14	43.74
5.313	20.82	5.94	1.64	5.55	146.05	0.13	43.73
5.355	20.82	5.93	1.83	5.52	143.14	0.17	43.7
5.394	20.82	5.94	1.53	5.5	139.92	0.16	43.73
5.435	20.82	5.94	1.79	5.46	137.7	0.13	43.74
5.478	20.82	5.94	1.76	5.42	134.05	0.15	43.73
5.522	20.82	5.94	1.53	5.38	131.13	0.18	43.72
5.566	20.82	5.94	1.64	5.35	128.39	0.15	43.74
5.608	20.82	5.94	1.64	5.34	126.21	0.17	43.74
5.64	20.81	5.94	1.6	5.33	124.79	0.15	43.71
5.669	20.81	5.94	1.72	5.33	122.52	0.18	43.74
5.699	20.81	5.94	1.72	5.36	120.41	0.17	43.74
5.733	20.81	5.94	1.6	5.41	118.01	0.19	43.74
5.769	20.81	5.94	1.79	5.46	116.03	0.14	43.73
5.804	20.81	5.94	1.83	5.53	114.45	0.16	43.75
5.837	20.81	5.94	1.98	5.59	112.82	0.19	43.75
5.873	20.81	5.94	1.87	5.65	110.16	0.18	43.75
5.908	20.81	5.94	1.68	5.67	108.76	0.19	43.74
5.945	20.81	5.94	1.72	5.67	105.78	0.18	43.75
5.982	20.81	5.94	1.87	5.67	103.81	0.16	43.75
6.021	20.81	5.94	1.68	5.64	101.46	0.19	43.75
6.072	20.81	5.94	1.64	5.62	98.67	0.18	43.75
6.123	20.81	5.94	1.49	5.56	96.93	0.21	43.74
6.161	20.81	5.94	1.76	5.48	95.74	0.2	43.74
6.19	20.81	5.94	1.83	5.41	93.38	0.15	43.76
6.227	20.81	5.94	1.68	5.39	91.9	0.22	43.75
6.257	20.81	5.94	1.68	5.35	91.09	0.17	43.73
6.292	20.81	5.94	1.64	5.36	88.1	0.16	43.75
6.331	20.81	5.94	1.68	5.44	87.27	0.2	43.75
6.352	20.81	5.94	1.64	5.47	86.98	0.2	43.74
6.356	20.81	5.94	1.45	5.52	86.88	0.16	43.75
6.36	20.81	5.94	1.49	5.6	86.66	0.15	43.76
6.362	20.81	5.94	1.68	5.62	86.98	0.19	43.75
6.363	20.81	5.94	1.6	5.64	87.0	0.18	43.75
6.364	20.81	5.94	1.56	5.64	86.74	0.21	43.75



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.76	5.89	0.04	5.54	173.58	0.08	43.29
PROF (metros)	1.382	0.305	0.317	1.578	1.899	1.338	0.406
MÁXIMO	20.87	20.87	2.48	6.2	713.55	1.17	43.41
PROF (metros)	0.317	1.899	0.566	0.305	0.453	0.305	1.899

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

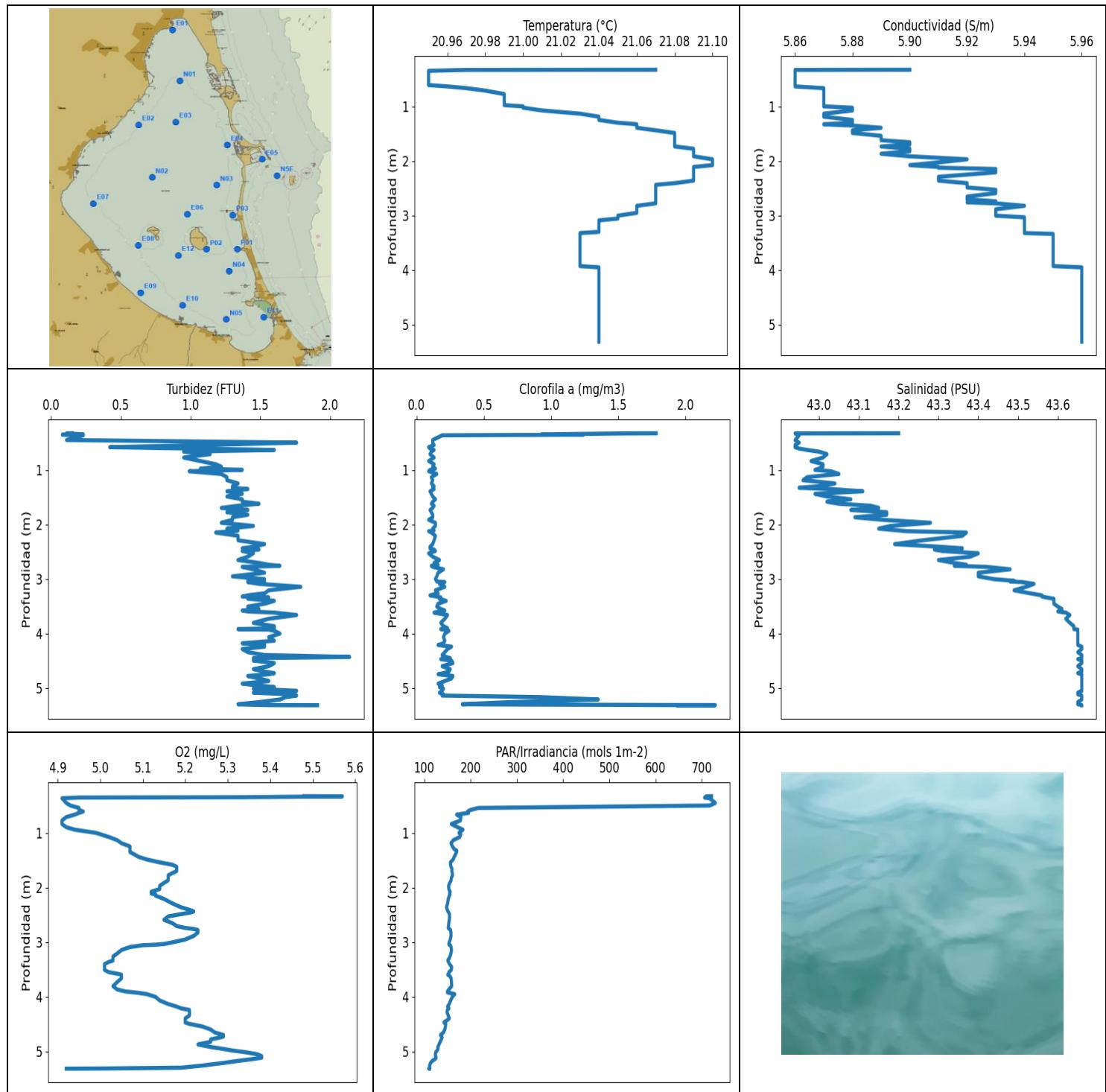
CTD P03 - Punto 018	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.85	5.89	1.26	5.76	440.54	0.24	43.3
1 - 2m	20.78	5.89	1.6	5.67	185.14	0.12	43.37

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.305	20.83	5.89	0.19	6.2	685.03	1.17	43.35
0.308	20.85	5.89	0.08	6.2	687.57	1.17	43.33
0.317	20.87	5.89	0.04	5.83	692.37	0.14	43.31
0.339	20.86	5.89	0.08	5.8	698.17	0.12	43.3
0.364	20.86	5.89	0.04	5.8	698.98	0.12	43.3
0.406	20.86	5.89	0.11	5.79	709.75	0.1	43.29
0.453	20.86	5.89	1.26	5.76	713.55	0.12	43.29
0.494	20.86	5.89	2.06	5.75	704.67	0.13	43.29
0.53	20.85	5.89	1.83	5.73	334.87	0.1	43.29
0.566	20.85	5.89	2.48	5.7	217.19	0.13	43.29
0.614	20.86	5.89	2.29	5.67	194.68	0.12	43.3
0.677	20.86	5.89	1.68	5.65	180.27	0.14	43.3
0.738	20.87	5.89	1.6	5.62	197.87	0.11	43.31
0.792	20.87	5.89	1.95	5.6	195.91	0.12	43.31
0.847	20.86	5.89	1.98	5.58	186.12	0.1	43.31
0.912	20.85	5.89	1.91	5.58	192.93	0.14	43.29
0.979	20.83	5.89	1.87	5.6	199.2	0.09	43.3
1.027	20.81	5.89	1.95	5.63	193.74	0.1	43.32
1.066	20.8	5.89	2.1	5.68	186.99	0.12	43.32
1.11	20.79	5.89	1.91	5.73	188.47	0.13	43.33
1.151	20.78	5.89	1.91	5.77	196.59	0.15	43.33
1.192	20.78	5.89	1.91	5.8	196.36	0.09	43.34
1.239	20.78	5.89	1.87	5.81	188.08	0.11	43.34
1.278	20.77	5.89	1.83	5.8	189.26	0.12	43.35
1.306	20.77	5.89	1.87	5.77	189.7	0.11	43.35
1.338	20.77	5.89	2.06	5.72	191.02	0.08	43.36
1.382	20.76	5.89	2.06	5.67	191.28	0.14	43.36
1.43	20.76	5.89	1.72	5.62	186.64	0.1	43.36
1.475	20.76	5.89	1.6	5.59	184.28	0.15	43.36
1.505	20.76	5.89	1.56	5.56	186.99	0.13	43.36
1.534	20.76	5.89	1.87	5.55	187.51	0.1	43.37
1.578	20.76	5.89	1.37	5.54	183.85	0.1	43.39
1.63	20.77	5.89	1.3	5.55	183.26	0.14	43.37
1.678	20.77	5.89	1.22	5.58	181.69	0.12	43.38
1.723	20.78	5.89	1.22	5.61	180.85	0.12	43.38
1.762	20.78	5.89	1.26	5.64	180.14	0.09	43.38
1.799	20.78	5.89	1.37	5.67	180.47	0.11	43.4
1.837	20.79	5.89	1.3	5.69	179.18	0.13	43.4
1.87	20.79	5.89	1.34	5.69	177.12	0.12	43.39
1.89	20.79	5.89	1.14	5.69	175.36	0.12	43.39

1.898	20.79	5.89	1.14	5.69	176.18	0.1	43.39
1.899	20.79	5.9	1.11	5.7	173.58	0.12	43.41



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols 1m⁻²)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	20.95	5.86	0.08	4.91	109.14	0.09	42.94
PROF (metros)	0.346	0.329	0.352	0.364	5.314	0.581	0.329
MÁXIMO	21.1	21.1	2.14	5.57	729.26	2.22	43.66
PROF (metros)	1.969	3.951	4.43	0.329	0.45	5.314	4.241

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

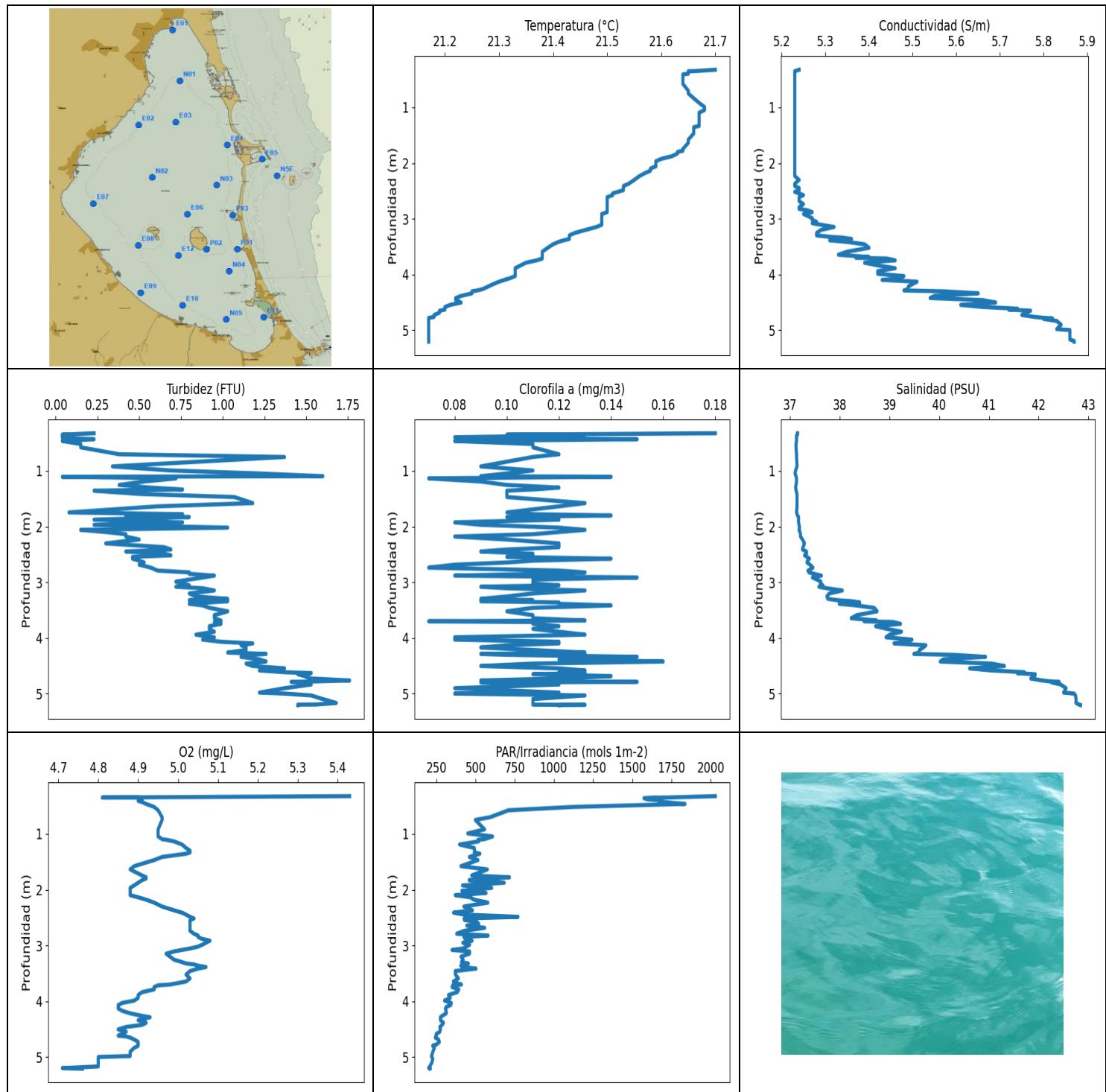
CTD E04 - Punto 019	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	20.97	5.87	0.83	5.02	379.61	0.38	42.99
1 - 2m	21.07	5.89	1.3	5.11	162.06	0.12	43.07
2 - 3m	21.08	5.92	1.41	5.18	153.32	0.13	43.32
3 - 4m	21.04	5.95	1.51	5.06	154.83	0.18	43.58
4 - 5m	21.04	5.96	1.53	5.23	143.47	0.21	43.66
5 - 6m	21.04	5.96	1.61	5.23	117.05	0.85	43.66

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.326	21.07	5.9	0.15	5.48	720.86	1.78	43.2
0.329	20.97	5.86	0.11	5.57	709.1	1.55	42.94
0.346	20.95	5.86	0.23	5.33	718.03	0.93	42.95
0.352	20.95	5.86	0.08	4.95	705.98	1.24	42.95
0.364	20.95	5.86	0.23	4.91	716.53	0.19	42.95
0.45	20.95	5.86	0.11	4.92	729.26	0.12	42.94
0.498	20.95	5.86	1.76	4.93	717.03	0.12	42.95
0.542	20.95	5.86	1.11	4.95	216.89	0.13	42.94
0.581	20.95	5.86	0.42	4.95	198.74	0.09	42.94
0.607	20.95	5.86	1.03	4.96	193.42	0.1	42.95
0.632	20.96	5.86	1.6	4.95	195.36	0.13	42.97
0.664	20.97	5.87	0.95	4.94	169.6	0.11	43.0
0.709	20.98	5.87	1.14	4.92	178.93	0.1	43.02
0.772	20.99	5.87	0.95	4.91	177.65	0.13	43.01
0.836	20.99	5.87	1.07	4.91	158.07	0.09	42.98
0.894	20.99	5.87	1.18	4.92	171.58	0.13	43.01
0.94	20.99	5.87	1.22	4.94	183.34	0.12	43.01
0.975	20.99	5.87	1.07	4.97	177.49	0.14	43.0
0.998	21.0	5.87	1.37	4.99	174.71	0.1	42.99
1.023	21.0	5.88	0.99	5.0	178.6	0.09	43.03
1.073	21.01	5.88	1.22	5.02	176.46	0.15	43.05
1.132	21.03	5.87	1.26	5.04	162.37	0.11	42.97
1.187	21.04	5.87	1.26	5.05	157.41	0.12	42.96
1.247	21.04	5.88	1.34	5.07	160.54	0.11	43.04
1.298	21.05	5.88	1.3	5.07	164.61	0.13	43.0
1.326	21.06	5.87	1.3	5.07	169.96	0.12	42.95
1.35	21.06	5.88	1.41	5.07	169.6	0.13	43.03
1.391	21.06	5.89	1.26	5.08	167.15	0.1	43.11
1.437	21.07	5.88	1.37	5.09	164.42	0.11	42.99
1.486	21.08	5.88	1.26	5.11	162.0	0.12	43.02
1.538	21.08	5.89	1.37	5.14	156.14	0.14	43.08
1.582	21.08	5.89	1.37	5.17	156.35	0.12	43.02
1.619	21.08	5.89	1.49	5.18	157.41	0.11	43.05
1.656	21.08	5.9	1.34	5.18	159.43	0.13	43.13
1.696	21.08	5.9	1.22	5.18	159.17	0.12	43.15
1.734	21.08	5.89	1.41	5.17	160.21	0.1	43.08

1.775	21.09	5.9	1.26	5.16	160.69	0.11	43.17
1.821	21.09	5.9	1.41	5.16	158.18	0.12	43.17
1.867	21.09	5.89	1.3	5.16	157.63	0.12	43.09
1.914	21.09	5.9	1.3	5.15	154.73	0.09	43.16
1.969	21.1	5.92	1.22	5.14	152.21	0.14	43.28
2.026	21.1	5.91	1.45	5.14	152.66	0.14	43.18
2.076	21.1	5.9	1.26	5.12	155.56	0.12	43.15
2.109	21.09	5.91	1.34	5.12	154.3	0.13	43.2
2.123	21.09	5.91	1.3	5.13	155.45	0.09	43.22
2.147	21.09	5.93	1.18	5.13	153.84	0.11	43.37
2.208	21.09	5.93	1.34	5.15	151.5	0.14	43.36
2.29	21.09	5.91	1.34	5.17	150.0	0.13	43.26
2.36	21.09	5.91	1.53	5.19	147.82	0.12	43.19
2.407	21.08	5.92	1.45	5.21	149.31	0.1	43.3
2.437	21.07	5.92	1.37	5.22	150.94	0.1	43.36
2.46	21.07	5.92	1.49	5.21	152.74	0.13	43.29
2.486	21.07	5.92	1.37	5.19	154.05	0.14	43.31
2.528	21.07	5.93	1.45	5.16	154.3	0.09	43.4
2.59	21.07	5.93	1.41	5.15	153.87	0.12	43.38
2.652	21.07	5.92	1.34	5.17	152.56	0.17	43.3
2.705	21.07	5.92	1.49	5.18	151.96	0.13	43.34
2.739	21.07	5.93	1.56	5.2	151.47	0.16	43.37
2.758	21.07	5.92	1.64	5.22	153.77	0.11	43.34
2.777	21.07	5.93	1.37	5.23	156.39	0.12	43.42
2.822	21.06	5.94	1.45	5.23	157.26	0.2	43.48
2.885	21.06	5.93	1.53	5.22	157.41	0.16	43.4
2.951	21.06	5.93	1.3	5.2	155.77	0.15	43.4
3.003	21.05	5.93	1.53	5.17	153.62	0.14	43.44
3.033	21.05	5.94	1.41	5.15	152.77	0.15	43.49
3.046	21.05	5.94	1.53	5.13	153.45	0.15	43.48
3.056	21.05	5.94	1.41	5.1	156.17	0.21	43.51
3.089	21.04	5.94	1.49	5.07	157.63	0.17	43.54
3.143	21.04	5.94	1.79	5.05	158.51	0.21	43.52
3.207	21.04	5.94	1.56	5.04	157.23	0.14	43.49
3.262	21.04	5.94	1.53	5.03	155.16	0.16	43.53
3.3	21.04	5.94	1.41	5.03	153.37	0.1	43.56
3.322	21.03	5.94	1.37	5.03	151.05	0.15	43.56
3.337	21.03	5.95	1.56	5.03	150.59	0.18	43.57
3.362	21.03	5.95	1.41	5.02	152.1	0.17	43.59
3.401	21.03	5.95	1.6	5.01	154.34	0.22	43.59
3.453	21.03	5.95	1.53	5.01	158.98	0.16	43.59
3.506	21.03	5.95	1.41	5.01	158.14	0.15	43.6
3.549	21.03	5.95	1.49	5.02	152.98	0.18	43.61
3.577	21.03	5.95	1.37	5.04	152.31	0.21	43.61
3.595	21.03	5.95	1.41	5.05	150.49	0.17	43.6
3.616	21.03	5.95	1.6	5.05	154.27	0.13	43.62
3.661	21.03	5.95	1.76	5.05	157.74	0.23	43.63
3.729	21.03	5.95	1.56	5.04	158.4	0.21	43.62
3.804	21.03	5.95	1.45	5.03	158.95	0.18	43.63
3.866	21.03	5.95	1.6	5.04	152.77	0.2	43.64
3.903	21.03	5.95	1.6	5.06	149.76	0.23	43.64
3.919	21.03	5.95	1.34	5.08	149.76	0.18	43.64
3.928	21.03	5.95	1.56	5.09	154.52	0.21	43.65
3.951	21.04	5.96	1.6	5.11	165.41	0.24	43.65
4.001	21.04	5.96	1.64	5.13	160.21	0.21	43.65
4.067	21.04	5.96	1.56	5.14	156.68	0.2	43.65
4.132	21.04	5.96	1.6	5.16	153.62	0.21	43.65
4.179	21.04	5.96	1.37	5.18	149.96	0.2	43.65

4.21	21.04	5.96	1.53	5.19	152.95	0.16	43.65
4.241	21.04	5.96	1.53	5.21	149.58	0.26	43.66
4.284	21.04	5.96	1.37	5.21	148.82	0.23	43.66
4.342	21.04	5.96	1.41	5.21	151.5	0.21	43.65
4.395	21.04	5.96	1.53	5.2	153.77	0.19	43.66
4.43	21.04	5.96	2.14	5.2	148.89	0.22	43.66
4.451	21.04	5.96	1.45	5.2	144.44	0.25	43.66
4.47	21.04	5.96	1.53	5.2	142.28	0.18	43.65
4.496	21.04	5.96	1.45	5.21	146.09	0.26	43.66
4.542	21.04	5.96	1.6	5.24	145.45	0.27	43.66
4.599	21.04	5.96	1.56	5.26	144.07	0.19	43.65
4.654	21.04	5.96	1.45	5.27	140.87	0.25	43.66
4.698	21.04	5.96	1.53	5.29	134.64	0.24	43.66
4.727	21.04	5.96	1.6	5.29	136.84	0.2	43.65
4.747	21.04	5.96	1.56	5.28	138.18	0.16	43.66
4.779	21.04	5.96	1.41	5.26	136.4	0.27	43.66
4.823	21.04	5.96	1.49	5.26	134.11	0.26	43.66
4.871	21.04	5.96	1.56	5.23	131.47	0.21	43.66
4.919	21.04	5.96	1.37	5.26	128.96	0.16	43.66
4.954	21.04	5.96	1.49	5.29	129.41	0.19	43.66
4.982	21.04	5.96	1.6	5.31	127.51	0.17	43.66
5.012	21.04	5.96	1.45	5.34	124.5	0.2	43.66
5.052	21.04	5.96	1.76	5.37	123.52	0.19	43.66
5.086	21.04	5.96	1.45	5.38	123.98	0.17	43.65
5.114	21.04	5.96	1.72	5.38	125.28	0.2	43.65
5.138	21.04	5.96	1.76	5.36	123.55	0.19	43.66
5.167	21.04	5.96	1.68	5.33	117.73	0.92	43.66
5.21	21.04	5.96	1.64	5.29	113.16	1.35	43.66
5.259	21.04	5.96	1.49	5.24	111.11	0.69	43.65
5.298	21.04	5.96	1.34	5.19	111.85	0.34	43.65
5.312	21.04	5.96	1.53	5.01	110.0	1.84	43.66
5.314	21.04	5.96	1.64	4.96	109.14	2.22	43.66
5.315	21.04	5.96	1.91	4.92	110.8	1.94	43.66



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

	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m³)	Salinidad (PSU)
MÍNIMO	21.17	5.23	0.04	4.71	201.15	0.07	37.1
PROF (metros)	4.778	0.35	0.35	5.196	5.194	1.135	1.047
MÁXIMO	21.7	21.7	1.76	5.43	2029.1	0.18	42.84
PROF (metros)	0.325	5.194	4.762	0.325	0.325	0.325	5.206

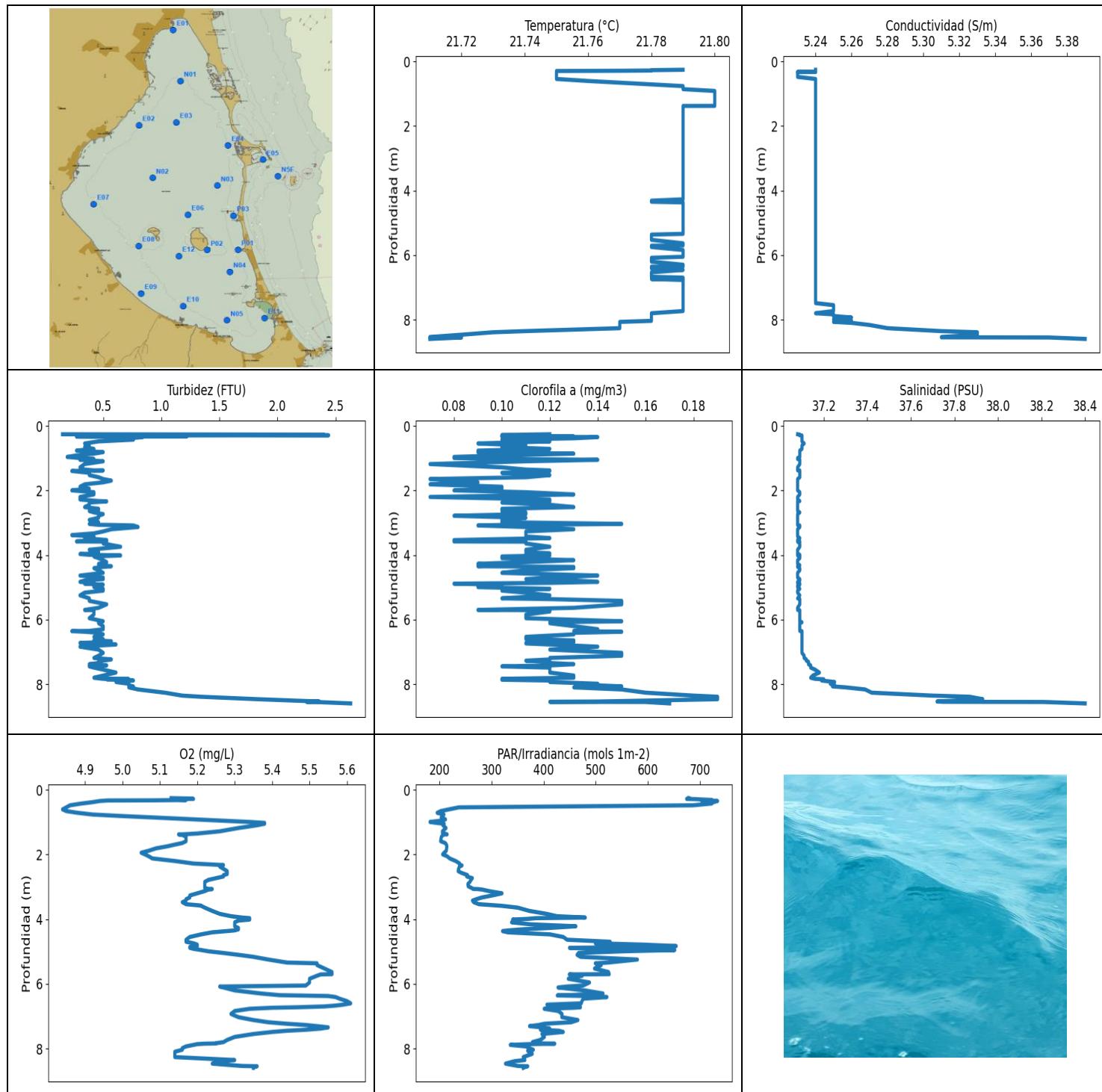
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
CTD E05 - Punto 020	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	21.66	5.23	0.26	4.95	1290.49	0.11	37.13
1 - 2m	21.65	5.23	0.64	4.95	526.69	0.11	37.14
2 - 3m	21.53	5.24	0.59	5.0	474.04	0.11	37.35
3 - 4m	21.41	5.35	0.91	4.99	397.98	0.11	38.36
4 - 5m	21.22	5.66	1.29	4.88	270.45	0.11	41.01
5 - 6m	21.17	5.87	1.52	4.76	212.39	0.12	42.8

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.325	21.7	5.24	0.23	5.43	2029.1	0.18	37.15
0.35	21.66	5.23	0.04	4.81	1717.6	0.1	37.15
0.351	21.65	5.23	0.08	4.9	1631.4	0.13	37.14
0.362	21.65	5.23	0.04	4.91	1573.9	0.1	37.13
0.383	21.65	5.23	0.04	4.91	1598.5	0.1	37.13
0.396	21.65	5.23	0.08	4.91	1667.0	0.08	37.13
0.408	21.64	5.23	0.04	4.9	1667.8	0.09	37.13
0.432	21.64	5.23	0.23	4.91	1704.1	0.15	37.13
0.464	21.64	5.23	0.04	4.92	1835.7	0.08	37.13
0.518	21.64	5.23	0.15	4.94	1123.1	0.11	37.12
0.578	21.64	5.23	0.15	4.95	709.59	0.11	37.12
0.702	21.65	5.23	0.38	4.96	592.92	0.12	37.13
0.751	21.65	5.23	1.37	4.96	498.66	0.11	37.13
0.92	21.67	5.23	0.34	4.95	557.6	0.09	37.14
0.993	21.68	5.23	0.69	4.95	450.31	0.11	37.11
1.047	21.68	5.23	1.22	4.95	608.37	0.1	37.1
1.096	21.67	5.23	1.6	4.96	556.05	0.09	37.12
1.106	21.67	5.23	0.04	4.97	515.58	0.14	37.12
1.135	21.67	5.23	0.72	4.99	519.54	0.07	37.13
1.191	21.67	5.23	0.53	5.01	398.26	0.09	37.13
1.253	21.67	5.23	0.38	5.02	491.77	0.1	37.12
1.301	21.67	5.23	0.57	5.03	494.75	0.12	37.11
1.334	21.67	5.23	0.76	5.03	492.0	0.11	37.12
1.356	21.66	5.23	0.23	5.02	527.8	0.1	37.12
1.414	21.66	5.23	0.5	4.96	460.55	0.1	37.14
1.47	21.66	5.23	1.07	4.94	515.23	0.1	37.14
1.579	21.65	5.23	1.18	4.89	407.03	0.13	37.14
1.637	21.65	5.23	0.61	4.88	575.32	0.12	37.14
1.746	21.64	5.23	0.08	4.91	475.74	0.1	37.13
1.778	21.64	5.23	0.76	4.92	716.2	0.11	37.14
1.8	21.63	5.23	0.42	4.92	617.46	0.14	37.15
1.828	21.63	5.23	0.8	4.91	459.59	0.1	37.17
1.876	21.62	5.23	0.23	4.9	682.33	0.12	37.17
1.924	21.6	5.23	0.76	4.89	417.25	0.08	37.17
1.968	21.59	5.23	0.23	4.88	602.9	0.09	37.18
2.019	21.59	5.23	1.03	4.88	413.21	0.12	37.19

2.059	21.59	5.23	0.15	4.88	566.72	0.13	37.18
2.098	21.58	5.23	0.3	4.88	370.99	0.12	37.2
2.137	21.58	5.23	0.42	4.9	467.43	0.11	37.21
2.179	21.57	5.23	0.42	4.92	490.29	0.08	37.21
2.232	21.56	5.23	0.5	4.94	578.66	0.1	37.25
2.302	21.55	5.24	0.3	4.96	425.95	0.12	37.29
2.37	21.54	5.23	0.65	4.99	480.06	0.12	37.26
2.412	21.53	5.23	0.69	5.01	359.81	0.1	37.25
2.447	21.53	5.24	0.42	5.02	430.01	0.09	37.33
2.487	21.53	5.24	0.65	5.03	770.44	0.11	37.33
2.516	21.52	5.23	0.69	5.04	427.53	0.11	37.29
2.544	21.51	5.24	0.46	5.03	429.52	0.1	37.34
2.576	21.51	5.25	0.46	5.03	507.17	0.14	37.39
2.612	21.5	5.24	0.5	5.03	520.02	0.11	37.35
2.644	21.5	5.24	0.53	5.03	444.51	0.1	37.34
2.684	21.5	5.24	0.5	5.03	558.37	0.08	37.4
2.737	21.5	5.25	0.57	5.03	429.42	0.07	37.46
2.79	21.5	5.24	0.61	5.04	379.87	0.12	37.36
2.822	21.5	5.24	0.8	5.05	580.01	0.13	37.38
2.848	21.5	5.26	0.8	5.05	425.85	0.11	37.48
2.881	21.5	5.27	0.95	5.06	436.04	0.08	37.63
2.914	21.49	5.25	0.88	5.08	477.95	0.15	37.45
2.951	21.49	5.26	0.8	5.07	419.19	0.11	37.54
2.989	21.49	5.27	0.72	5.06	461.94	0.11	37.62
3.021	21.49	5.27	0.76	5.05	441.73	0.11	37.61
3.054	21.49	5.28	0.8	5.03	421.33	0.12	37.66
3.08	21.49	5.27	0.72	5.01	350.19	0.09	37.58
3.107	21.49	5.29	0.88	4.99	461.83	0.1	37.74
3.147	21.48	5.32	0.95	4.97	460.87	0.13	38.05
3.2	21.46	5.29	0.8	4.98	407.41	0.11	37.79
3.254	21.44	5.28	0.84	4.99	420.84	0.1	37.74
3.298	21.43	5.28	1.03	5.01	410.06	0.09	37.76
3.323	21.43	5.31	0.8	5.02	453.98	0.11	37.97
3.339	21.43	5.34	1.03	5.04	449.17	0.09	38.24
3.362	21.43	5.36	0.92	5.05	405.81	0.12	38.4
3.386	21.42	5.31	0.8	5.07	417.73	0.12	37.99
3.415	21.41	5.35	0.88	5.05	502.95	0.14	38.33
3.458	21.4	5.39	0.92	5.03	370.91	0.11	38.69
3.521	21.39	5.4	1.03	5.02	371.59	0.1	38.75
3.59	21.38	5.35	0.95	5.03	390.76	0.11	38.34
3.645	21.38	5.33	0.95	5.02	358.98	0.11	38.23
3.686	21.38	5.4	0.99	4.99	392.12	0.13	38.74
3.7	21.38	5.37	0.99	4.98	410.16	0.07	38.49
3.713	21.38	5.44	0.95	4.95	354.51	0.11	39.07
3.745	21.37	5.46	0.99	4.94	350.43	0.11	39.22
3.788	21.35	5.39	0.92	4.94	393.31	0.12	38.72
3.836	21.34	5.42	0.92	4.91	382.87	0.11	38.95
3.887	21.33	5.46	0.95	4.9	327.5	0.12	39.24
3.94	21.33	5.42	0.84	4.9	337.91	0.13	39.0
3.987	21.33	5.42	0.95	4.89	302.4	0.08	38.93
4.029	21.33	5.48	0.88	4.86	345.27	0.08	39.45
4.067	21.32	5.47	0.99	4.85	341.85	0.12	39.35
4.097	21.31	5.43	1.18	4.85	315.14	0.12	39.09
4.129	21.3	5.51	1.11	4.85	307.42	0.1	39.73
4.17	21.29	5.5	1.14	4.86	312.08	0.09	39.68
4.215	21.28	5.49	1.14	4.88	313.39	0.11	39.6
4.261	21.27	5.49	1.03	4.91	286.24	0.13	39.59
4.286	21.26	5.48	1.26	4.93	275.63	0.09	39.49

4.302	21.25	5.57	1.18	4.92	276.26	0.1	40.27
4.338	21.25	5.65	1.11	4.9	276.33	0.15	40.93
4.384	21.23	5.55	1.22	4.92	295.75	0.12	40.08
4.422	21.22	5.54	1.26	4.91	287.3	0.16	40.02
4.459	21.22	5.66	1.14	4.87	272.26	0.11	41.05
4.503	21.23	5.69	1.18	4.85	275.94	0.09	41.31
4.545	21.21	5.61	1.37	4.87	272.01	0.12	40.61
4.582	21.2	5.66	1.22	4.86	250.23	0.13	41.05
4.614	21.2	5.74	1.37	4.85	247.69	0.12	41.71
4.63	21.2	5.72	1.53	4.87	250.0	0.13	41.57
4.65	21.19	5.77	1.45	4.88	243.26	0.11	41.93
4.684	21.19	5.76	1.49	4.89	263.63	0.14	41.92
4.727	21.18	5.75	1.53	4.9	269.0	0.12	41.84
4.762	21.18	5.78	1.76	4.9	255.57	0.09	42.07
4.778	21.17	5.8	1.56	4.9	247.23	0.11	42.22
4.787	21.17	5.82	1.41	4.9	231.06	0.15	42.41
4.797	21.17	5.8	1.49	4.9	226.71	0.09	42.26
4.834	21.17	5.83	1.53	4.89	237.35	0.12	42.44
4.901	21.17	5.84	1.37	4.88	228.39	0.08	42.55
4.98	21.17	5.83	1.22	4.88	219.37	0.12	42.5
4.997	21.17	5.86	1.37	4.8	220.69	0.08	42.71
5.031	21.17	5.86	1.53	4.8	227.28	0.13	42.74
5.096	21.17	5.86	1.6	4.8	221.51	0.11	42.75
5.166	21.17	5.86	1.68	4.8	208.51	0.11	42.75
5.194	21.17	5.87	1.56	4.72	201.15	0.11	42.81
5.196	21.17	5.87	1.45	4.71	208.07	0.11	42.82
5.2	21.17	5.87	1.45	4.72	210.65	0.13	42.83
5.204	21.17	5.87	1.45	4.74	211.92	0.12	42.83
5.206	21.17	5.87	1.45	4.76	210.06	0.12	42.84



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	21.71	5.23	0.15	4.84	182.16	0.07	37.08
PROF (metros)	8.539	0.326	0.26	0.607	0.996	1.183	0.26
MÁXIMO	21.8	21.8	2.63	5.61	733.5	0.19	38.4
PROF (metros)	0.916	8.598	8.598	6.603	0.348	8.391	8.598

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS 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	21.77	5.24	0.72	5.04	487.16	0.11	37.1
1 - 2m	21.79	5.24	0.39	5.19	208.44	0.1	37.08
2 - 3m	21.79	5.24	0.42	5.23	243.87	0.11	37.08
3 - 4m	21.79	5.24	0.47	5.23	322.73	0.11	37.08
4 - 5m	21.79	5.24	0.45	5.24	451.02	0.11	37.08
5 - 6m	21.79	5.24	0.41	5.47	494.27	0.12	37.09
6 - 7m	21.79	5.24	0.44	5.45	453.0	0.13	37.1
7 - 8m	21.78	5.25	0.53	5.34	400.97	0.12	37.16
8 - 9m	21.74	5.31	1.5	5.24	362.0	0.15	37.68

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.26	21.79	5.24	0.15	5.13	678.55	0.12	37.08
0.272	21.78	5.24	2.4	5.18	678.39	0.11	37.09
0.283	21.78	5.24	1.76	5.19	674.16	0.1	37.09
0.291	21.77	5.24	2.44	5.14	692.05	0.1	37.09
0.298	21.75	5.24	0.65	5.13	699.14	0.11	37.1
0.317	21.75	5.24	0.38	5.17	722.7	0.1	37.1
0.326	21.75	5.23	1.22	5.11	702.23	0.13	37.1
0.328	21.75	5.24	1.11	5.08	704.84	0.13	37.1
0.332	21.75	5.23	0.27	4.96	718.69	0.1	37.1
0.348	21.75	5.23	0.84	4.94	733.5	0.14	37.1
0.384	21.75	5.23	0.72	4.92	725.39	0.13	37.1
0.427	21.75	5.23	0.76	4.89	722.03	0.1	37.1
0.481	21.75	5.23	0.46	4.86	686.3	0.12	37.1
0.545	21.75	5.24	0.34	4.85	237.46	0.09	37.11
0.607	21.76	5.24	0.38	4.84	218.3	0.11	37.1
0.66	21.77	5.24	0.34	4.85	202.79	0.1	37.1
0.713	21.78	5.24	0.42	4.88	195.86	0.12	37.1
0.766	21.79	5.24	0.27	4.92	208.9	0.09	37.09
0.814	21.79	5.24	0.5	5.0	205.77	0.09	37.09
0.861	21.79	5.24	0.42	5.09	203.54	0.13	37.09
0.916	21.8	5.24	0.27	5.19	211.87	0.1	37.09
0.962	21.8	5.24	0.19	5.27	200.04	0.08	37.09
0.996	21.8	5.24	0.3	5.34	182.16	0.08	37.08
1.025	21.8	5.24	0.42	5.38	194.77	0.1	37.08
1.051	21.8	5.24	0.3	5.38	209.24	0.14	37.09
1.097	21.8	5.24	0.5	5.36	206.92	0.11	37.09
1.183	21.8	5.24	0.34	5.31	212.81	0.07	37.09
1.285	21.8	5.24	0.3	5.26	205.92	0.1	37.08
1.353	21.8	5.24	0.34	5.2	206.2	0.11	37.08
1.379	21.8	5.24	0.42	5.16	214.94	0.12	37.08
1.38	21.79	5.24	0.5	5.15	210.79	0.12	37.09
1.397	21.79	5.24	0.23	5.16	207.06	0.12	37.09
1.454	21.79	5.24	0.38	5.17	203.97	0.1	37.09

1.525	21.79	5.24	0.38	5.17	203.07	0.12	37.09
1.591	21.79	5.24	0.46	5.17	202.51	0.11	37.09
1.647	21.79	5.24	0.5	5.16	211.38	0.07	37.08
1.696	21.79	5.24	0.57	5.14	213.55	0.08	37.08
1.749	21.79	5.24	0.5	5.12	214.54	0.09	37.08
1.811	21.79	5.24	0.34	5.09	213.94	0.07	37.08
1.886	21.79	5.24	0.3	5.07	213.4	0.1	37.08
1.947	21.79	5.24	0.38	5.05	209.04	0.1	37.08
1.998	21.79	5.24	0.23	5.06	206.3	0.08	37.08
2.055	21.79	5.24	0.42	5.07	214.84	0.11	37.09
2.124	21.79	5.24	0.42	5.08	219.93	0.13	37.09
2.202	21.79	5.24	0.3	5.14	231.22	0.07	37.08
2.281	21.79	5.24	0.3	5.19	239.06	0.12	37.08
2.329	21.79	5.24	0.46	5.27	239.23	0.12	37.09
2.339	21.79	5.24	0.53	5.26	243.54	0.12	37.08
2.375	21.79	5.24	0.38	5.26	238.84	0.1	37.08
2.445	21.79	5.24	0.38	5.27	236.8	0.12	37.08
2.516	21.79	5.24	0.34	5.28	236.09	0.13	37.08
2.568	21.79	5.24	0.46	5.28	242.24	0.1	37.08
2.606	21.79	5.24	0.46	5.28	248.61	0.1	37.08
2.637	21.79	5.24	0.38	5.27	253.97	0.1	37.08
2.681	21.79	5.24	0.42	5.27	252.5	0.11	37.09
2.733	21.79	5.24	0.5	5.25	263.32	0.11	37.08
2.786	21.79	5.24	0.46	5.23	260.71	0.08	37.08
2.847	21.79	5.24	0.46	5.22	258.67	0.11	37.08
2.914	21.79	5.24	0.38	5.22	254.8	0.1	37.08
2.984	21.79	5.24	0.46	5.22	255.27	0.1	37.08
3.037	21.79	5.24	0.38	5.22	262.04	0.15	37.08
3.066	21.79	5.24	0.46	5.23	264.79	0.11	37.08
3.07	21.79	5.24	0.57	5.24	273.02	0.1	37.08
3.085	21.79	5.24	0.76	5.23	281.96	0.09	37.09
3.133	21.79	5.24	0.8	5.22	295.27	0.11	37.09
3.202	21.79	5.24	0.57	5.2	320.14	0.13	37.08
3.269	21.79	5.24	0.5	5.18	301.14	0.11	37.08
3.33	21.79	5.24	0.42	5.18	281.57	0.11	37.08
3.383	21.79	5.24	0.23	5.17	270.94	0.11	37.08
3.426	21.79	5.24	0.42	5.17	263.57	0.11	37.08
3.476	21.79	5.24	0.34	5.16	265.9	0.12	37.09
3.538	21.79	5.24	0.53	5.17	275.94	0.08	37.08
3.58	21.79	5.24	0.27	5.21	313.9	0.08	37.09
3.587	21.79	5.24	0.53	5.21	318.88	0.11	37.08
3.645	21.79	5.24	0.5	5.22	350.35	0.11	37.09
3.745	21.79	5.24	0.65	5.24	372.46	0.12	37.09
3.837	21.79	5.24	0.38	5.26	405.81	0.11	37.08
3.909	21.79	5.24	0.46	5.29	425.26	0.11	37.08
3.952	21.79	5.24	0.46	5.32	479.84	0.12	37.08
3.97	21.79	5.24	0.3	5.34	385.1	0.11	37.08
3.993	21.79	5.24	0.38	5.34	369.36	0.11	37.09
4.014	21.79	5.24	0.65	5.34	340.5	0.12	37.08
4.045	21.79	5.24	0.42	5.31	348.41	0.1	37.09
4.098	21.79	5.24	0.46	5.3	338.53	0.1	37.09
4.16	21.79	5.24	0.5	5.3	374.1	0.13	37.08
4.221	21.79	5.24	0.53	5.3	461.83	0.11	37.08
4.273	21.79	5.24	0.46	5.31	411.58	0.09	37.08
4.315	21.78	5.24	0.46	5.31	359.9	0.1	37.09
4.348	21.78	5.24	0.57	5.3	333.4	0.09	37.08
4.369	21.79	5.24	0.5	5.28	321.18	0.13	37.08
4.408	21.79	5.24	0.42	5.24	331.16	0.13	37.09

4.472	21.79	5.24	0.46	5.21	412.16	0.11	37.09
4.553	21.79	5.24	0.5	5.18	437.76	0.1	37.08
4.637	21.79	5.24	0.3	5.17	444.92	0.14	37.08
4.7	21.79	5.24	0.5	5.17	527.43	0.12	37.08
4.747	21.79	5.24	0.5	5.19	499.12	0.11	37.09
4.789	21.79	5.24	0.34	5.2	591.68	0.13	37.09
4.833	21.79	5.24	0.3	5.2	654.15	0.14	37.08
4.863	21.79	5.24	0.42	5.18	586.36	0.12	37.08
4.888	21.79	5.24	0.34	5.18	449.58	0.08	37.09
4.919	21.79	5.24	0.5	5.19	495.78	0.1	37.09
4.955	21.79	5.24	0.42	5.21	651.42	0.09	37.08
4.995	21.79	5.24	0.42	5.23	551.43	0.09	37.08
5.047	21.79	5.24	0.5	5.27	467.0	0.12	37.09
5.104	21.79	5.24	0.5	5.31	464.09	0.1	37.08
5.166	21.79	5.24	0.34	5.35	470.7	0.11	37.08
5.25	21.79	5.24	0.3	5.39	579.74	0.12	37.09
5.343	21.79	5.24	0.38	5.44	522.92	0.1	37.08
5.366	21.78	5.24	0.38	5.52	499.01	0.12	37.09
5.421	21.78	5.24	0.38	5.52	510.35	0.15	37.09
5.528	21.78	5.24	0.53	5.54	497.51	0.15	37.09
5.636	21.79	5.24	0.46	5.56	524.38	0.13	37.08
5.702	21.79	5.24	0.34	5.56	525.72	0.09	37.08
5.709	21.78	5.24	0.42	5.53	449.17	0.12	37.09
5.75	21.78	5.24	0.42	5.52	474.09	0.12	37.09
5.844	21.79	5.24	0.42	5.5	447.19	0.11	37.09
5.958	21.79	5.24	0.38	5.5	487.91	0.11	37.09
6.053	21.79	5.24	0.5	5.49	475.74	0.15	37.09
6.084	21.78	5.24	0.46	5.26	444.3	0.12	37.1
6.113	21.78	5.24	0.46	5.27	427.53	0.12	37.09
6.203	21.78	5.24	0.5	5.3	478.28	0.13	37.09
6.299	21.79	5.24	0.5	5.37	513.79	0.14	37.09
6.351	21.79	5.24	0.38	5.42	448.44	0.13	37.09
6.359	21.78	5.24	0.23	5.46	426.15	0.13	37.1
6.377	21.78	5.24	0.34	5.55	481.62	0.15	37.1
6.41	21.78	5.24	0.46	5.57	521.35	0.13	37.1
6.459	21.79	5.24	0.5	5.58	476.29	0.13	37.1
6.535	21.78	5.24	0.42	5.6	473.32	0.11	37.1
6.603	21.78	5.24	0.5	5.61	472.23	0.11	37.1
6.644	21.78	5.24	0.42	5.59	406.28	0.13	37.1
6.672	21.78	5.24	0.57	5.57	409.21	0.13	37.1
6.699	21.79	5.24	0.5	5.54	412.73	0.13	37.1
6.724	21.79	5.24	0.3	5.47	470.59	0.11	37.1
6.74	21.78	5.24	0.46	5.4	458.0	0.11	37.1
6.772	21.79	5.24	0.61	5.34	401.04	0.12	37.1
6.84	21.79	5.24	0.3	5.3	427.93	0.14	37.1
6.931	21.79	5.24	0.46	5.29	435.23	0.12	37.1
7.031	21.79	5.24	0.5	5.31	434.83	0.15	37.1
7.12	21.79	5.24	0.46	5.35	465.7	0.15	37.11
7.188	21.79	5.24	0.42	5.39	452.72	0.12	37.11
7.235	21.79	5.24	0.57	5.44	401.04	0.12	37.12
7.273	21.79	5.24	0.5	5.49	390.58	0.11	37.12
7.308	21.79	5.24	0.46	5.52	372.97	0.12	37.13
7.346	21.79	5.24	0.46	5.55	396.05	0.12	37.13
7.383	21.79	5.24	0.38	5.53	411.68	0.13	37.13
7.42	21.79	5.24	0.53	5.49	393.94	0.12	37.14
7.45	21.79	5.24	0.38	5.44	429.42	0.1	37.14
7.488	21.79	5.24	0.42	5.4	437.66	0.12	37.14
7.551	21.79	5.25	0.5	5.35	396.69	0.12	37.16

7.642	21.79	5.25	0.61	5.3	401.41	0.12	37.18
7.734	21.79	5.25	0.5	5.28	393.58	0.13	37.15
7.802	21.78	5.24	0.42	5.27	378.55	0.13	37.14
7.836	21.78	5.25	0.5	5.25	385.99	0.1	37.16
7.844	21.78	5.25	0.72	5.25	410.16	0.11	37.18
7.85	21.78	5.25	0.53	5.22	421.33	0.11	37.2
7.864	21.78	5.25	0.69	5.2	371.85	0.1	37.19
7.888	21.78	5.25	0.76	5.19	336.03	0.12	37.19
7.935	21.78	5.26	0.61	5.17	366.46	0.12	37.25
7.988	21.78	5.25	0.72	5.16	372.8	0.14	37.23
8.038	21.78	5.26	0.72	5.16	380.22	0.14	37.25
8.07	21.77	5.25	0.76	5.15	369.36	0.15	37.24
8.1	21.77	5.26	0.72	5.14	372.37	0.13	37.3
8.165	21.77	5.27	0.8	5.14	378.11	0.15	37.39
8.265	21.77	5.28	1.03	5.14	360.9	0.16	37.42
8.356	21.74	5.31	1.18	5.3	364.01	0.18	37.7
8.391	21.73	5.33	1.34	5.27	344.31	0.19	37.87
8.467	21.72	5.33	1.83	5.24	326.82	0.19	37.93
8.539	21.71	5.31	2.36	5.32	350.67	0.14	37.72
8.548	21.71	5.31	2.25	5.36	369.45	0.12	37.75
8.553	21.72	5.37	2.33	5.35	366.97	0.16	38.21
8.598	21.71	5.39	2.63	5.35	360.81	0.17	38.4