

INFORME DE RESULTADOS

MEDIDAS DE SONDA OCEÁNICA (CTD)

REALIZADAS POR EL IMIDA EN EL MM



Fecha: Viernes 27/08/2021

El presente informe muestra un resumen inicial de los resultados de los muestreos realizados en el Mar Menor (MM) por el Instituto Murciano de Investigación y Desarrollo Agrario y Medioambiental (IMIDA) en la fecha indicada mediante SONDA OCEÁNICA 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 automáticamente por los técnicos del IMIDA. Tal cantidad de información requiere, además de su descarga, un complejo proceso de análisis, procesado y transformación de datos.

Para facilitar su lectura e interpretación, el presente informe anexa una ficha con el resumen inicial de resultados, que incluye:

- En proceso el mapa de situación de todos los puntos de muestreo del día.
- Resumen de resultados de cada una de las variables expresado mediante gráficas sencillas en todos los puntos de muestreo.
- Tabla de resultados sobre la columna de agua, con las medias por metro para cada variable.
- Alertas (mediante marcas de color) de valores anómalos detectados en los niveles de oxígeno.
- Observaciones y valoración.

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 anoxia o de hipoxia en base a la siguiente clasificación. Se considerarán no preocupantes los valores de oxígeno superiores a 4 miligramos por litro:

0-2 mg/l: ANOXIA

2-4 mg/l: HIPOXIA

>4 mg/l: NO PREOCUPANTE

Las tablas siguientes incluyen, además, 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 07:00 a 11:30 horas. Salida desde el puerto de Lo Pagán, con tres personas a bordo (dos técnicos del IMIDA y patrón).

UBICACIÓN DE LOS TRABAJOS

Estación de Acuicultura Marina de San Pedro del Pinatar: organización de las salidas al mar, manejo y mantenimiento de sondas, toma de muestras, análisis de muestras de agua tomadas en distintos puntos de muestreo y tratamiento de los datos de nutrientes y oxígeno.

Instalaciones del IMIDA de La Alberca: procesamiento, tratamiento y análisis de datos, cartografía, maquetación.

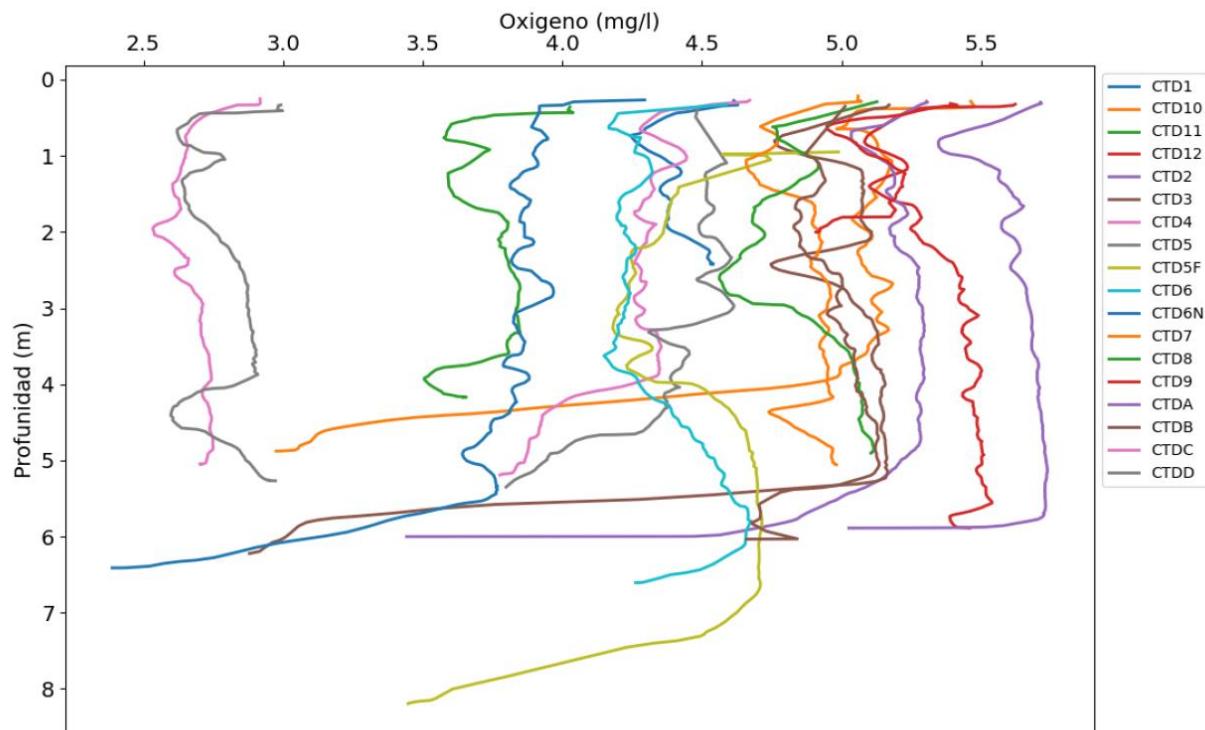
Mar Menor: Se muestrea un total de 18 puntos.

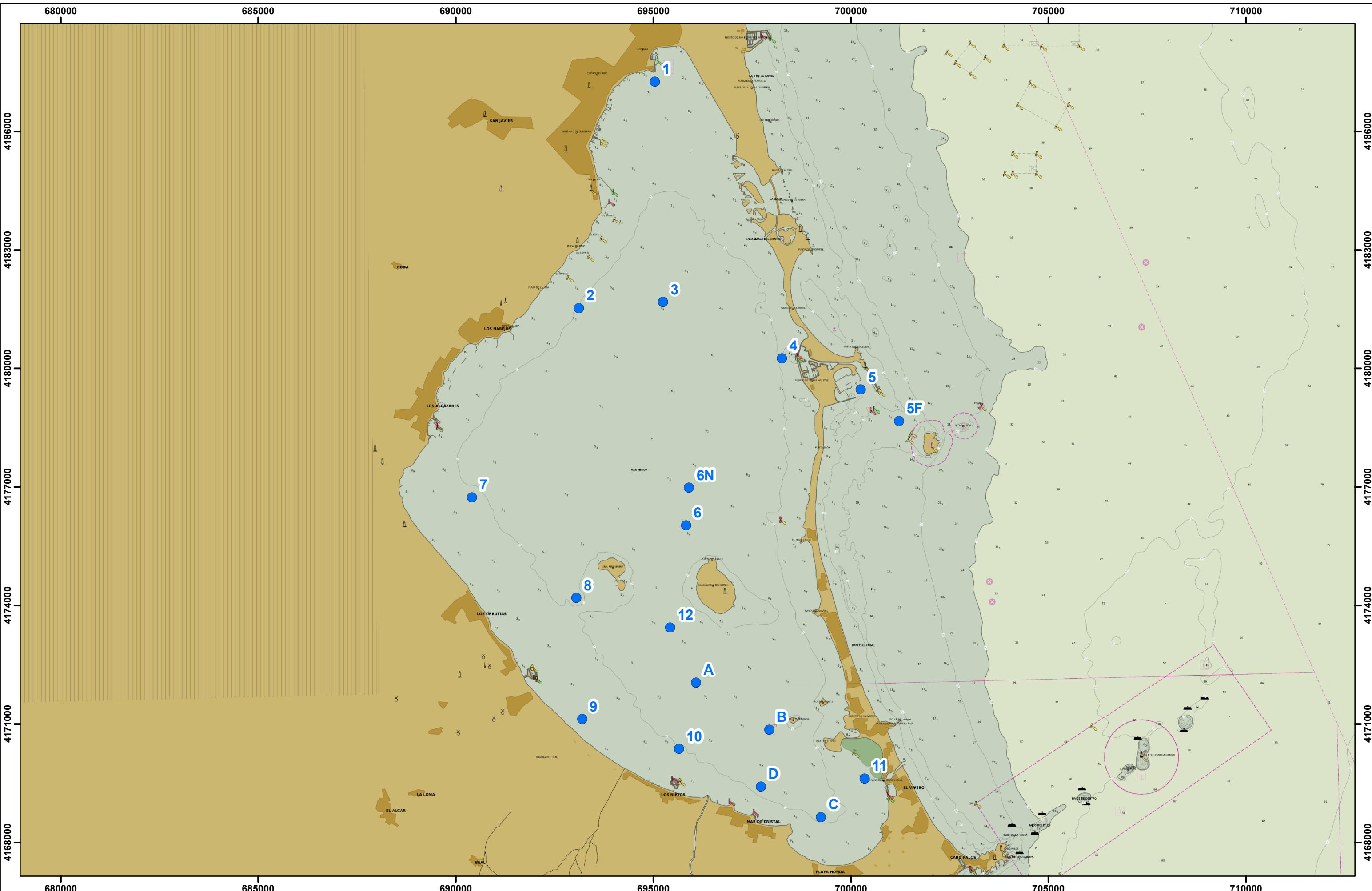
EVOLUCIÓN DE LA SITUACIÓN

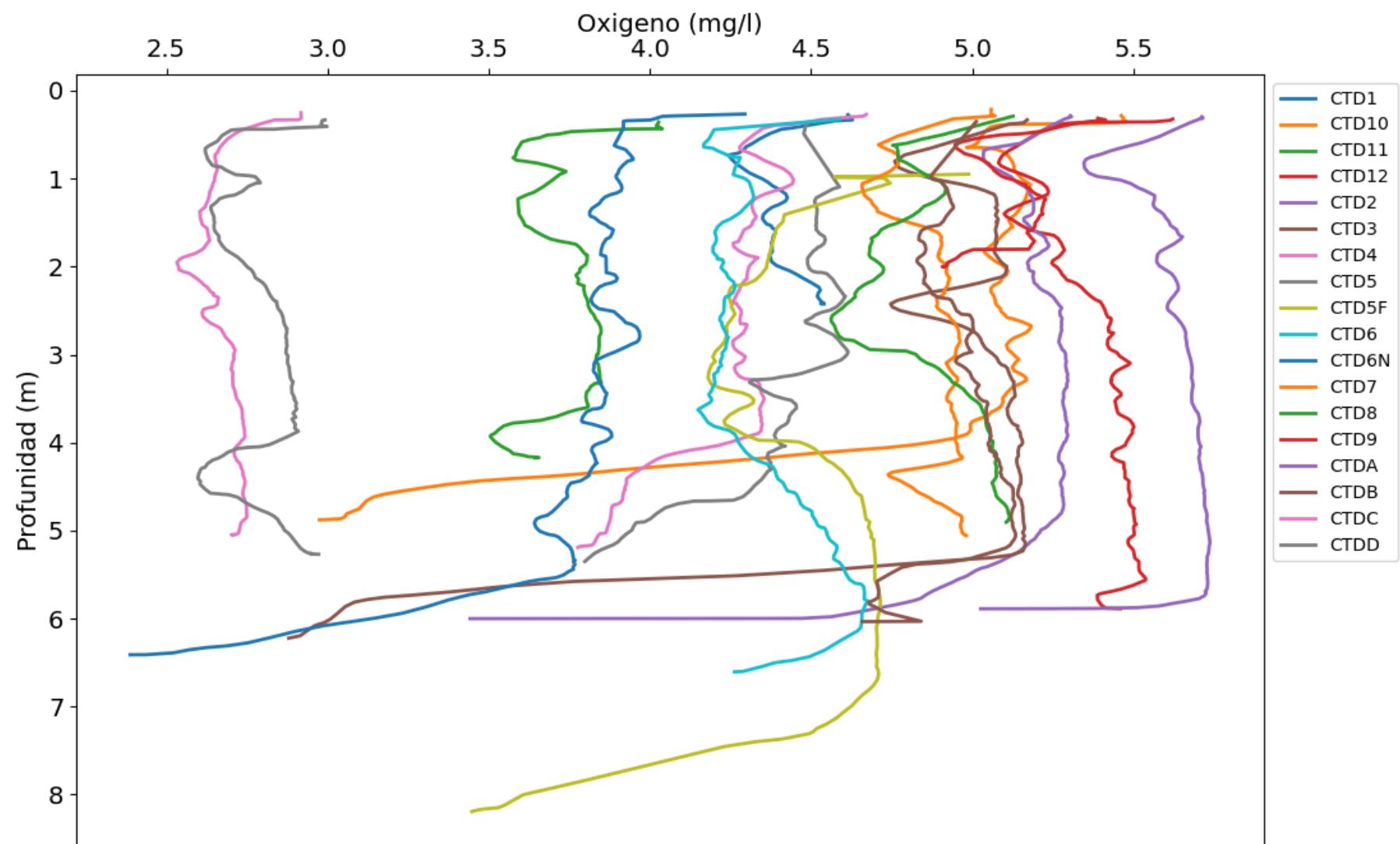
En función de los valores registrados, el Grupo de Trabajo de Ecología Lagunar, opina lo siguiente:

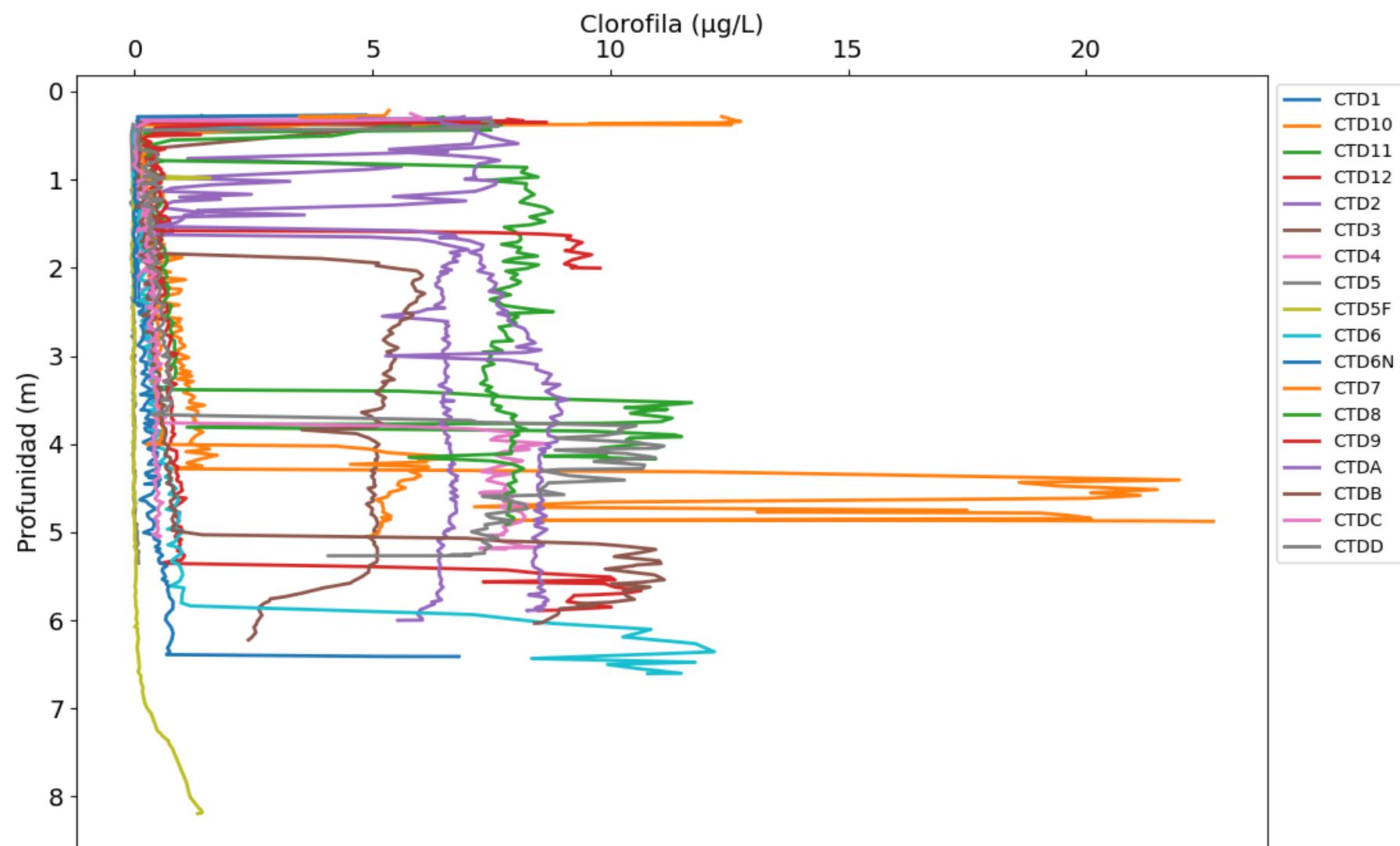
Los datos obtenidos por los equipos de monitorización durante ayer 26 de agosto muestran que la acumulación de clorofila detectada el día anterior se mantiene, con valores algo menores en el fondo, pero aun suficientemente altos para suponer un riesgo alto de formación de una bolsa hipóxica o de anoxia. Además, se ha incrementado la concentración de clorofila en superficie en la mayor parte del Mar Menor. Su desplazamiento ha sido algo hacia el sur, hacia el canal entre las islas del Barón y la Perdiguera, pero su ubicación final dependerá de los vientos y las corrientes a lo largo del día. Los datos del día 26 mostraban una fuerte estratificación térmica y salina en las estaciones afectadas por las entradas de agua dulce que a lo largo de ayer fue rompiéndose.

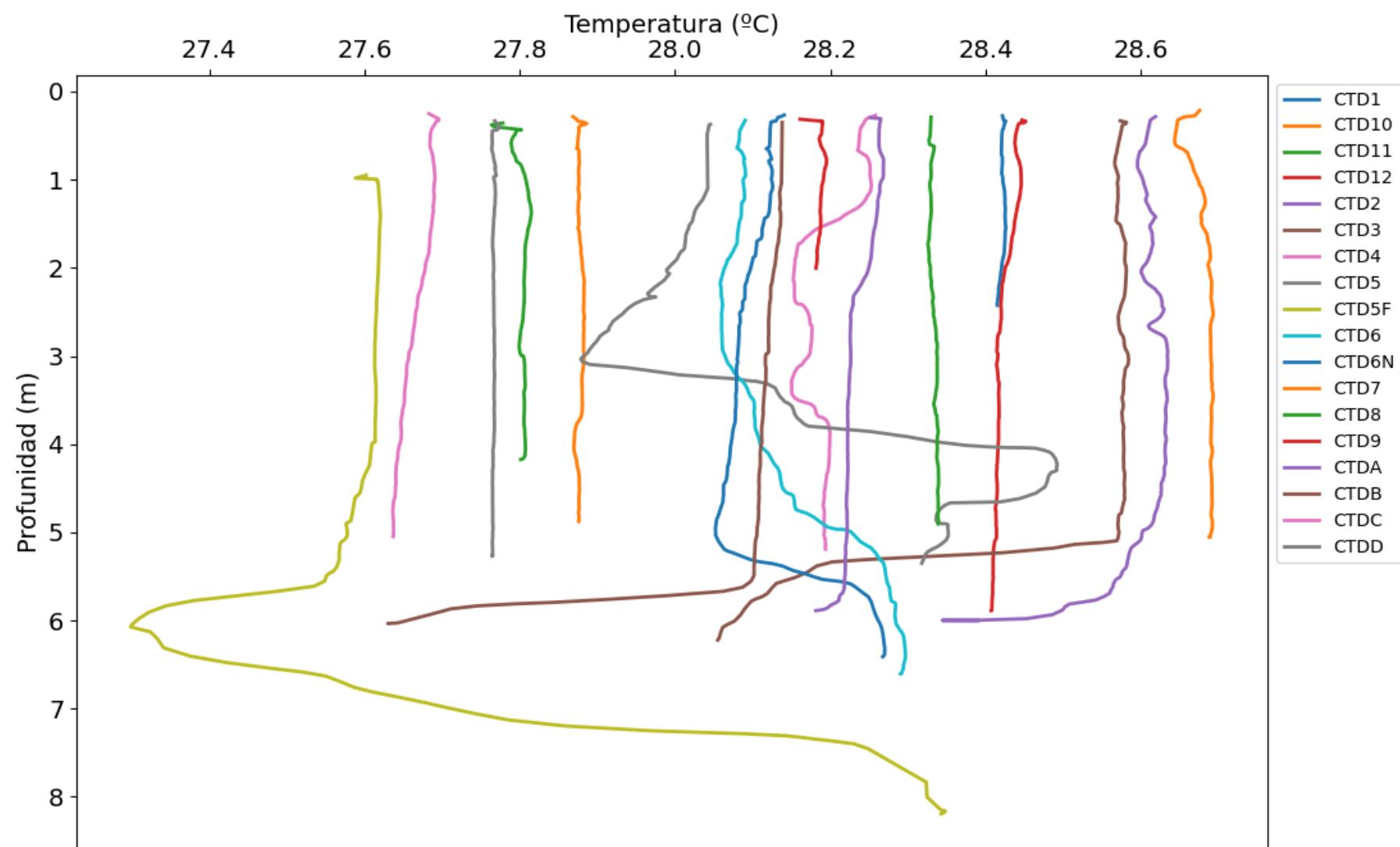
En la salida hoy día 27 se dan condiciones de elevada hipoxia en dos puntos (uno al norte de la isla del barón-CTD 6N- y en otro punto cerca de los nietos CTD 10).

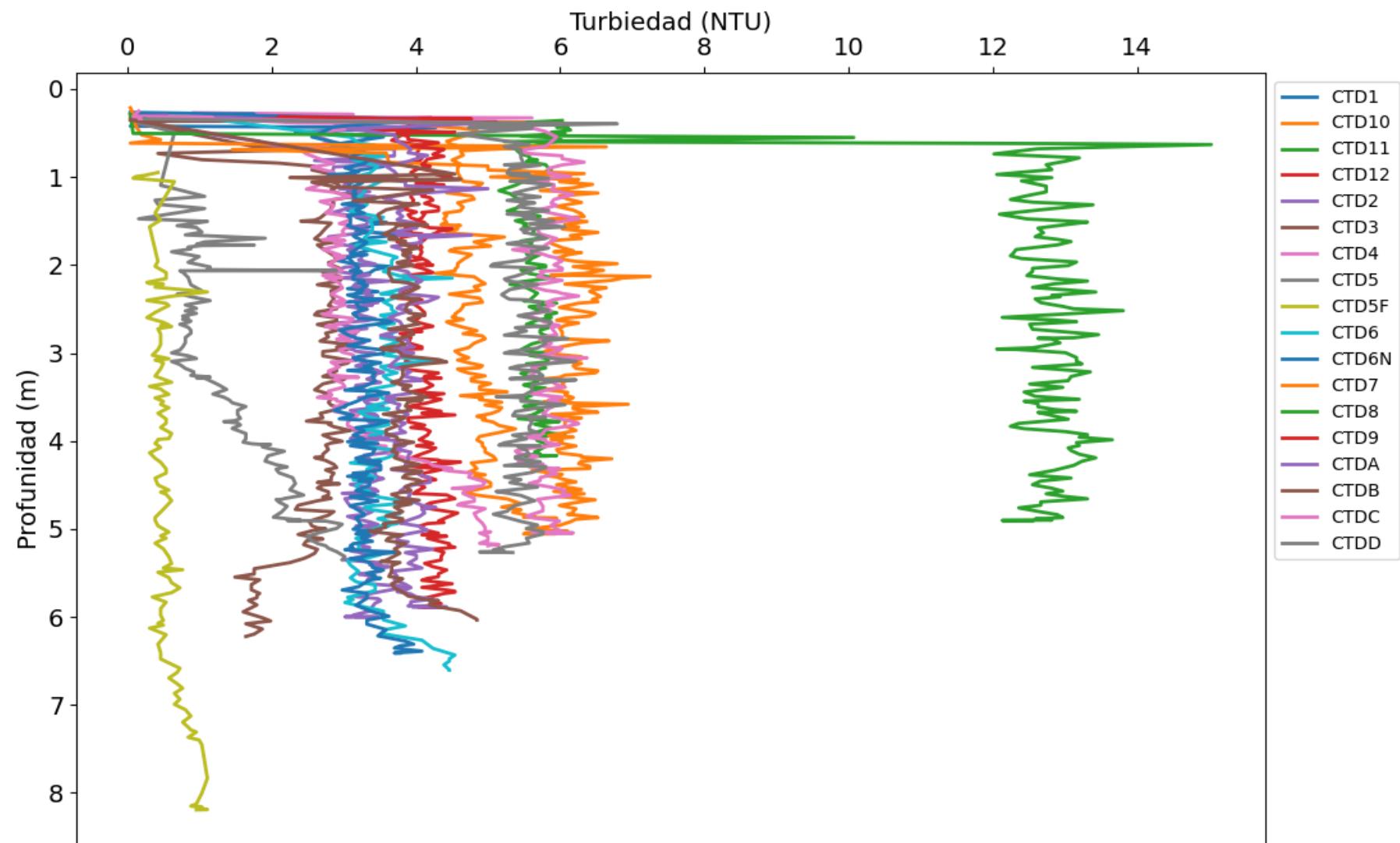


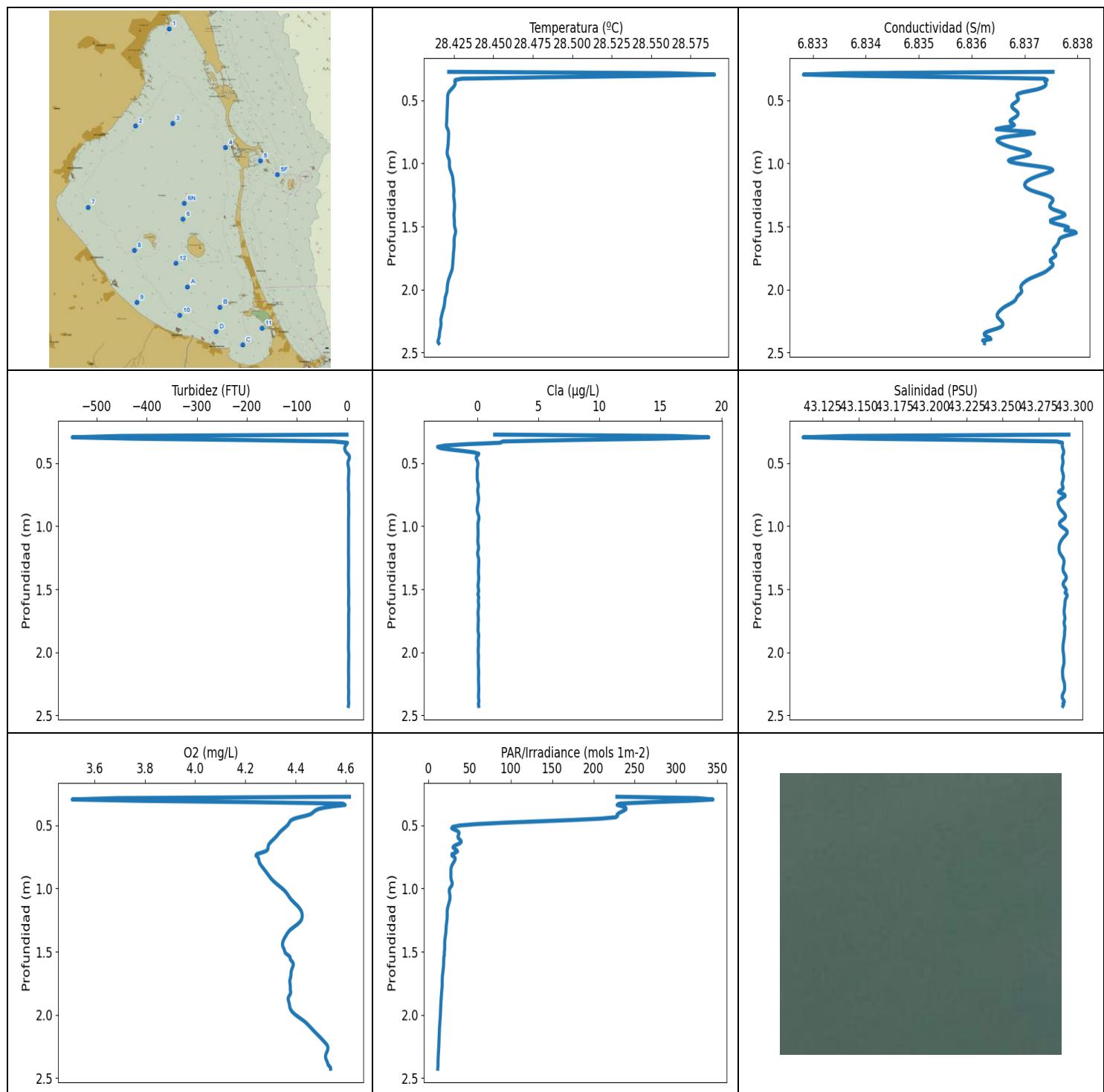












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cl] (mg/m³)	Salinity (PSU)
MÍNIMO	28.41	6.84	0.04	4.24	11.25	-0.02	43.29
PROF (metros)	2.413	0.274	0.274	0.733	2.416	0.595	0.332
MÁXIMO	28.43	28.43	4.27	4.63	231.91	1.84	43.3
PROF (metros)	0.336	0.274	0.44	0.332	0.345	0.339	0.274

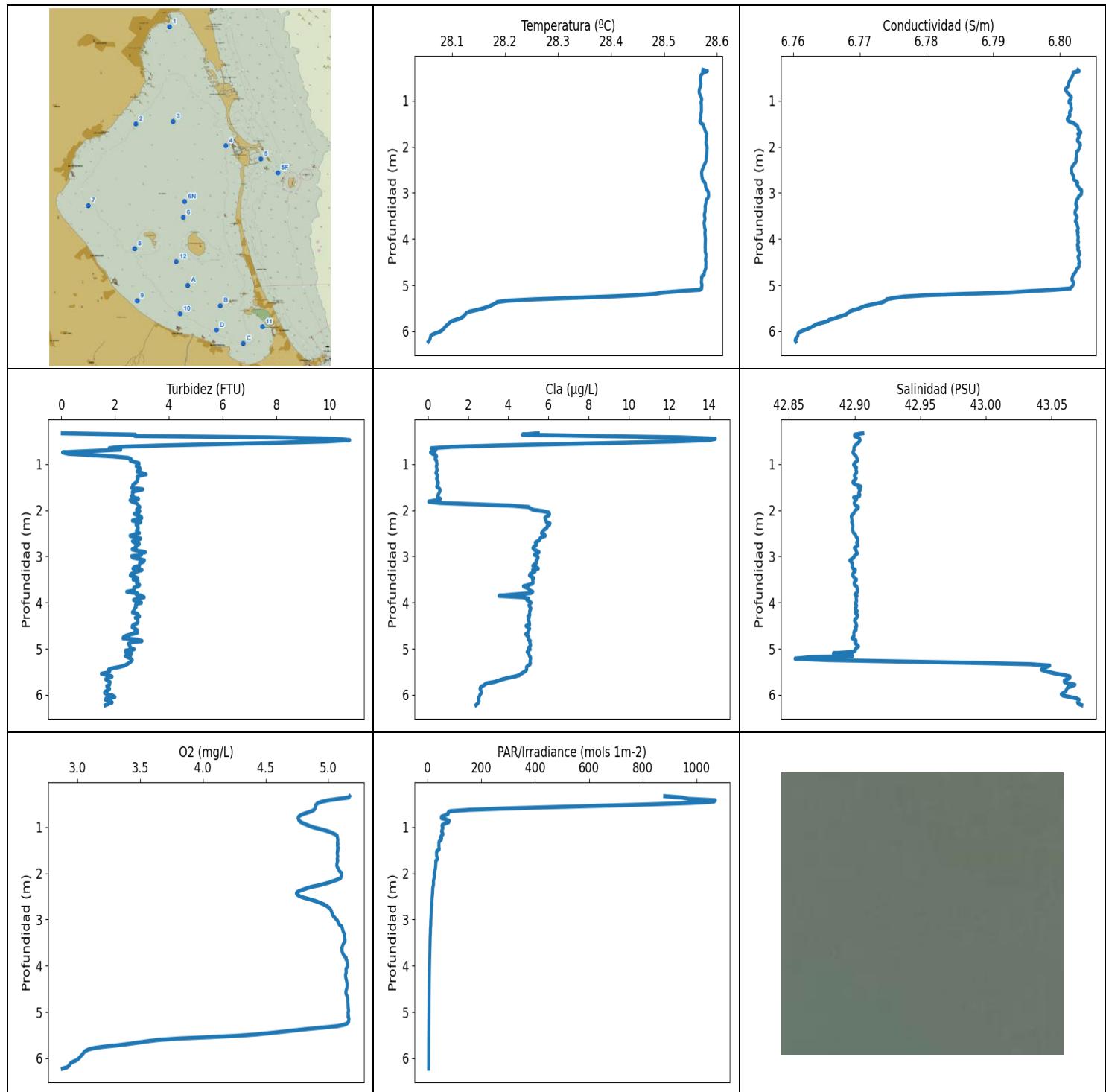
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.42	6.84	2.51	4.4	107.8	0.41	43.29
1 - 2m	28.42	6.84	3.23	4.38	19.44	0.07	43.29
2 - 3m	28.42	6.84	3.23	4.51	12.23	0.09	43.29

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA							
Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.274	28.42	6.84	0.04	4.61	228.39	1.41	43.3
0.332	28.42	6.84	0.65	4.63	227.18	1.38	43.29
0.334	28.42	6.84	3.89	4.62	227.65	1.41	43.29
0.336	28.43	6.84	1.11	4.61	229.24	1.66	43.29
0.339	28.43	6.84	1.11	4.6	228.76	1.84	43.29
0.345	28.43	6.84	0.76	4.57	231.91	0.44	43.29
0.421	28.42	6.84	0.04	4.45	228.76	0.02	43.29
0.44	28.42	6.84	4.27	4.41	222.95	-0.0	43.29
0.488	28.42	6.84	2.33	4.37	63.94	0.01	43.29
0.545	28.42	6.84	3.55	4.34	35.18	-0.01	43.29
0.595	28.42	6.84	3.13	4.32	35.73	-0.02	43.29
0.637	28.42	6.84	2.82	4.3	39.15	-0.01	43.29
0.672	28.42	6.84	3.01	4.29	29.71	0.07	43.29
0.71	28.42	6.84	2.79	4.27	34.8	0.02	43.29
0.733	28.42	6.84	3.43	4.24	27.7	0.03	43.29
0.746	28.42	6.84	3.4	4.25	30.38	0.05	43.29
0.783	28.42	6.84	3.4	4.25	31.36	0.09	43.29
0.832	28.42	6.84	3.2	4.27	27.65	0.02	43.29
0.88	28.42	6.84	3.55	4.29	27.21	-0.02	43.29
0.931	28.42	6.84	3.13	4.31	27.66	0.12	43.29
0.972	28.42	6.84	3.13	4.33	28.55	0.05	43.29
1.002	28.42	6.84	3.09	4.35	25.62	0.04	43.29
1.039	28.42	6.84	3.17	4.37	25.66	0.05	43.29
1.082	28.42	6.84	3.05	4.38	25.96	0.04	43.29
1.128	28.42	6.84	3.13	4.4	24.22	0.03	43.29
1.175	28.42	6.84	3.05	4.42	22.74	0.09	43.29
1.217	28.43	6.84	3.01	4.43	22.7	0.01	43.29
1.254	28.42	6.84	3.28	4.42	22.29	0.09	43.29
1.289	28.43	6.84	3.17	4.4	21.58	0.1	43.29
1.327	28.43	6.84	3.2	4.38	21.33	0.09	43.29
1.364	28.43	6.84	3.01	4.36	20.73	0.07	43.29
1.411	28.43	6.84	3.17	4.35	19.8	0.11	43.29
1.456	28.43	6.84	3.17	4.35	19.71	0.06	43.29
1.489	28.43	6.84	3.28	4.36	19.48	0.06	43.29
1.514	28.43	6.84	3.59	4.36	19.13	0.1	43.29
1.528	28.43	6.84	3.55	4.37	19.27	0.06	43.29
1.538	28.43	6.84	3.4	4.38	18.83	0.03	43.29
1.559	28.43	6.84	3.4	4.38	18.54	0.1	43.29
1.585	28.43	6.84	3.24	4.39	18.43	0.07	43.29

1.616	28.43	6.84	3.17	4.39	18.2	0.09	43.29
1.654	28.43	6.84	3.81	4.38	17.55	0.08	43.29
1.691	28.42	6.84	3.36	4.38	16.94	0.04	43.29
1.732	28.42	6.84	3.28	4.38	16.66	0.08	43.29
1.769	28.42	6.84	3.09	4.38	16.61	0.06	43.29
1.8	28.42	6.84	3.24	4.38	16.19	0.05	43.29
1.83	28.42	6.84	3.36	4.38	15.85	0.05	43.29
1.863	28.42	6.84	3.2	4.37	15.4	0.1	43.29
1.903	28.42	6.84	3.13	4.37	15.08	0.08	43.29
1.947	28.42	6.84	2.9	4.38	14.69	0.08	43.29
1.986	28.42	6.84	3.13	4.39	14.54	0.06	43.29
2.018	28.42	6.84	3.66	4.41	14.27	0.08	43.29
2.05	28.42	6.84	3.43	4.43	13.95	0.08	43.29
2.089	28.42	6.84	3.36	4.46	13.48	0.06	43.29
2.13	28.42	6.84	3.13	4.47	13.19	0.09	43.29
2.175	28.42	6.84	3.24	4.5	12.96	0.09	43.29
2.212	28.42	6.84	3.32	4.51	12.75	0.08	43.29
2.238	28.42	6.84	3.32	4.53	12.58	0.09	43.29
2.269	28.42	6.84	3.05	4.53	12.29	0.1	43.29
2.303	28.42	6.84	3.47	4.52	12.02	0.1	43.29
2.34	28.42	6.84	3.05	4.52	11.72	0.08	43.29
2.376	28.42	6.84	3.2	4.53	11.56	0.1	43.29
2.401	28.41	6.84	3.51	4.53	11.55	0.09	43.29
2.413	28.41	6.84	3.4	4.54	11.4	0.07	43.29
2.416	28.41	6.84	3.09	4.54	11.25	0.09	43.29
2.421	28.42	6.84	3.09	4.53	11.27	0.09	43.29
2.423	28.42	6.84	2.94	4.53	11.32	0.11	43.29
2.424	28.42	6.84	3.01	4.54	11.25	0.06	43.29
2.425	28.42	6.84	2.9	4.54	11.27	0.1	43.29



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m⁻²)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	28.06	6.76	0.04	2.88	4.31	0.19	42.86
PROF (metros)	6.078	5.813	0.332	6.223	6.138	0.655	5.232
MÁXIMO	28.58	28.58	3.17	5.17	918.63	6.1	43.07
PROF (metros)	0.349	0.332	1.216	0.332	0.365	2.291	5.783

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.57	6.8	1.33	4.94	385.6	2.08	42.9
1 - 2m	28.57	6.8	2.79	5.06	40.67	1.13	42.9
2 - 3m	28.58	6.8	2.83	4.95	18.0	5.67	42.9
3 - 4m	28.58	6.8	2.82	5.12	9.57	5.11	42.9
4 - 5m	28.58	6.8	2.73	5.15	6.16	5.03	42.9
5 - 6m	28.26	6.78	2.1	4.27	4.77	4.29	43.0
6 - 7m	28.06	6.76	1.79	2.95	4.35	2.51	43.07

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 6 - 7m con los valores 2.95 respectivamente.

CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m, 6 - 7m con los valores 2.08, 5.67, 5.11, 5.03, 4.29, 2.51 respectivamente

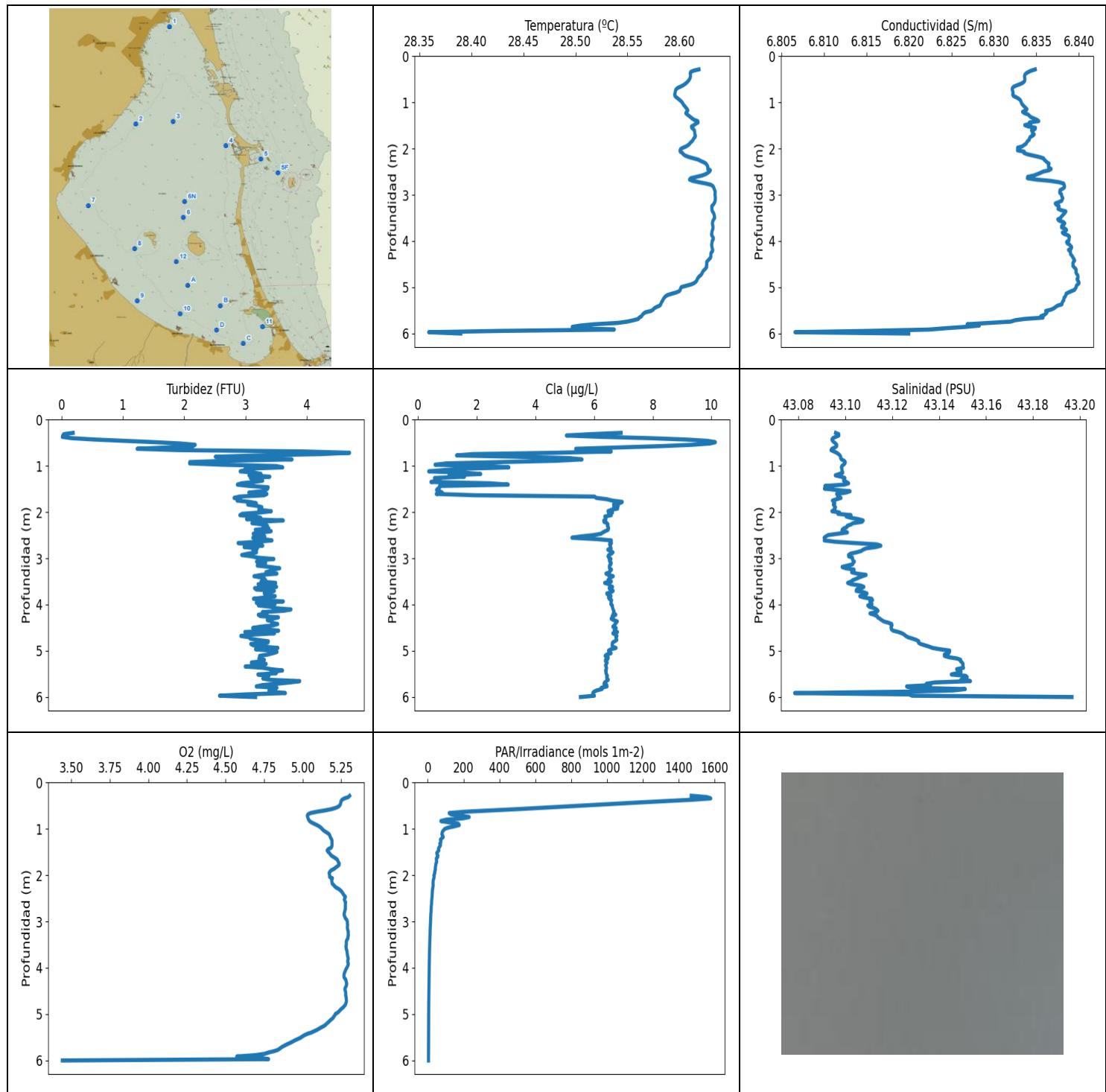
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.332	28.57	6.8	0.04	5.17	881.91	5.49	42.91
0.349	28.58	6.8	0.04	5.16	859.31	4.37	42.9
0.365	28.58	6.8	1.49	5.16	918.63	4.37	42.9
0.367	28.58	6.8	0.27	5.16	890.33	4.1	42.9
0.38	28.58	6.8	0.11	5.11	900.08	5.79	42.9
0.655	28.57	6.8	1.75	4.87	86.92	0.19	42.9
0.695	28.57	6.8	2.14	4.83	77.81	0.47	42.9
0.732	28.57	6.8	0.42	4.79	71.41	0.2	42.9
0.803	28.57	6.8	1.03	4.76	50.78	0.39	42.9
0.842	28.57	6.8	2.1	4.76	72.6	0.43	42.9
0.879	28.57	6.8	2.59	4.77	82.05	0.35	42.9
0.919	28.57	6.8	2.56	4.8	67.83	0.43	42.9
0.962	28.57	6.8	2.79	4.84	53.16	0.44	42.9
1.009	28.57	6.8	2.9	4.89	57.45	0.46	42.9
1.043	28.57	6.8	2.79	4.94	56.2	0.42	42.9
1.07	28.57	6.8	2.9	4.97	53.18	0.44	42.9
1.103	28.57	6.8	2.94	5.01	52.68	0.46	42.9
1.143	28.57	6.8	2.82	5.04	57.97	0.46	42.9
1.18	28.57	6.8	2.9	5.07	53.8	0.41	42.9
1.216	28.57	6.8	3.17	5.07	47.49	0.43	42.9
1.262	28.57	6.8	2.82	5.08	53.22	0.5	42.9
1.3	28.57	6.8	2.86	5.08	44.94	0.44	42.9
1.33	28.57	6.8	2.82	5.07	42.55	0.44	42.9
1.364	28.57	6.8	2.82	5.08	42.49	0.48	42.9
1.414	28.57	6.8	2.75	5.07	42.21	0.53	42.9
1.465	28.57	6.8	2.67	5.08	43.78	0.46	42.9
1.491	28.57	6.8	2.59	5.07	42.1	0.45	42.9
1.501	28.57	6.8	2.4	5.08	37.92	0.48	42.9
1.524	28.57	6.8	2.82	5.08	34.2	0.56	42.9
1.581	28.58	6.8	2.75	5.07	33.54	0.61	42.9
1.652	28.58	6.8	2.67	5.08	35.53	0.53	42.9

1.702	28.58	6.8	2.59	5.07	36.01	0.49	42.9
1.722	28.58	6.8	2.67	5.08	31.41	0.49	42.9
1.736	28.58	6.8	2.9	5.07	30.48	0.56	42.9
1.772	28.58	6.8	2.63	5.07	30.87	0.57	42.9
1.833	28.58	6.8	2.75	5.07	30.24	0.27	42.9
1.895	28.58	6.8	2.86	5.08	29.45	3.91	42.9
1.947	28.58	6.8	2.9	5.09	27.21	5.13	42.9
1.974	28.58	6.8	2.79	5.1	25.84	5.08	42.9
1.997	28.58	6.8	2.82	5.11	25.24	5.35	42.9
2.037	28.58	6.8	2.94	5.11	25.27	5.94	42.9
2.085	28.58	6.8	2.71	5.1	25.17	6.05	42.9
2.119	28.58	6.8	2.9	5.09	24.17	6.01	42.9
2.147	28.58	6.8	2.98	5.06	22.45	5.86	42.9
2.183	28.58	6.8	2.94	5.02	22.16	5.83	42.9
2.224	28.58	6.8	2.63	4.98	22.36	5.88	42.9
2.26	28.58	6.8	2.98	4.92	22.0	5.91	42.9
2.291	28.58	6.8	2.82	4.87	20.39	6.1	42.9
2.337	28.58	6.8	2.82	4.82	19.53	5.95	42.9
2.384	28.58	6.8	2.86	4.77	19.38	5.92	42.9
2.423	28.57	6.8	2.82	4.75	18.92	5.78	42.9
2.46	28.57	6.8	2.79	4.75	18.29	5.72	42.9
2.498	28.57	6.8	2.9	4.78	17.68	5.66	42.9
2.534	28.57	6.8	2.63	4.81	17.22	5.85	42.9
2.567	28.57	6.8	2.59	4.86	17.03	5.77	42.9
2.601	28.57	6.8	2.9	4.9	16.42	5.59	42.9
2.638	28.57	6.8	2.9	4.94	16.1	5.57	42.9
2.676	28.57	6.8	2.63	4.97	15.82	5.43	42.9
2.713	28.57	6.8	2.82	4.99	15.44	5.34	42.9
2.744	28.57	6.8	2.9	5.01	14.96	5.42	42.9
2.776	28.58	6.8	2.75	5.02	14.53	5.32	42.9
2.818	28.58	6.8	2.79	5.03	14.11	5.23	42.9
2.866	28.58	6.8	2.67	5.03	13.78	5.34	42.9
2.908	28.58	6.8	3.13	5.04	13.6	5.54	42.9
2.934	28.58	6.8	2.9	5.04	13.44	5.46	42.9
2.954	28.58	6.8	3.05	5.05	13.13	5.3	42.9
2.985	28.58	6.8	2.71	5.06	12.63	5.4	42.9
3.033	28.58	6.8	2.71	5.08	12.24	5.49	42.9
3.085	28.58	6.8	3.09	5.08	11.98	5.41	42.9
3.116	28.58	6.8	3.05	5.09	11.94	5.38	42.9
3.129	28.58	6.8	2.98	5.1	11.76	5.4	42.9
3.153	28.58	6.8	2.9	5.11	11.43	5.38	42.9
3.206	28.58	6.8	2.9	5.11	10.91	5.23	42.9
3.268	28.58	6.8	2.71	5.12	10.75	5.46	42.9
3.296	28.58	6.8	3.01	5.13	10.77	5.21	42.9
3.309	28.58	6.8	2.94	5.13	10.58	5.29	42.9
3.352	28.58	6.8	2.71	5.13	10.04	5.22	42.9
3.419	28.58	6.8	2.59	5.13	9.73	5.07	42.9
3.474	28.58	6.8	2.82	5.13	9.56	5.28	42.9
3.499	28.58	6.8	2.67	5.13	9.55	5.21	42.9
3.521	28.58	6.8	2.82	5.12	9.32	5.21	42.9
3.561	28.58	6.8	2.79	5.11	9.12	5.25	42.9
3.594	28.58	6.8	2.82	5.11	9.04	5.19	42.9
3.613	28.58	6.8	2.9	5.11	8.94	5.06	42.9
3.641	28.58	6.8	2.9	5.11	8.7	4.77	42.9
3.687	28.58	6.8	2.67	5.11	8.51	4.98	42.9
3.737	28.58	6.8	2.71	5.12	8.28	5.08	42.9
3.775	28.58	6.8	2.48	5.12	8.19	5.21	42.9
3.795	28.58	6.8	2.82	5.13	8.16	5.12	42.9

3.811	28.58	6.8	2.79	5.14	8.05	5.02	42.9
3.839	28.58	6.8	2.86	5.14	7.91	3.52	42.9
3.882	28.58	6.8	3.09	5.15	7.74	4.66	42.9
3.933	28.58	6.8	2.71	5.15	7.57	4.93	42.9
3.973	28.58	6.8	2.82	5.15	7.47	5.06	42.9
4.004	28.58	6.8	2.98	5.16	7.4	5.14	42.9
4.024	28.58	6.8	2.82	5.15	7.35	5.1	42.9
4.047	28.58	6.8	2.75	5.15	7.22	5.04	42.9
4.098	28.58	6.8	2.79	5.14	7.03	5.08	42.9
4.151	28.58	6.8	2.71	5.14	6.92	5.11	42.9
4.178	28.58	6.8	2.71	5.14	6.93	5.06	42.9
4.189	28.58	6.8	2.59	5.14	6.83	5.09	42.9
4.222	28.58	6.8	2.75	5.14	6.7	5.04	42.9
4.267	28.58	6.8	2.86	5.14	6.59	5.08	42.9
4.302	28.58	6.8	2.9	5.14	6.55	4.98	42.9
4.33	28.58	6.8	2.75	5.15	6.46	5.05	42.9
4.366	28.58	6.8	2.86	5.15	6.34	4.98	42.9
4.41	28.58	6.8	2.82	5.15	6.25	5.04	42.9
4.447	28.58	6.8	2.82	5.15	6.2	5.03	42.9
4.473	28.58	6.8	2.63	5.15	6.16	5.06	42.9
4.488	28.58	6.8	2.94	5.15	6.15	5.04	42.9
4.502	28.58	6.8	2.71	5.15	6.09	4.91	42.9
4.535	28.58	6.8	2.63	5.14	5.96	4.97	42.9
4.579	28.58	6.8	2.79	5.14	5.89	5.06	42.9
4.616	28.58	6.8	2.79	5.14	5.86	4.98	42.9
4.638	28.58	6.8	2.71	5.15	5.84	5.03	42.9
4.653	28.58	6.8	2.82	5.15	5.8	4.99	42.9
4.681	28.58	6.8	2.63	5.15	5.7	4.87	42.9
4.732	28.58	6.8	2.37	5.16	5.59	5.0	42.9
4.779	28.57	6.8	2.33	5.16	5.54	4.98	42.9
4.799	28.57	6.8	2.71	5.16	5.57	4.97	42.9
4.803	28.57	6.8	2.86	5.16	5.5	5.01	42.9
4.845	28.57	6.8	2.79	5.16	5.4	5.08	42.9
4.913	28.57	6.8	2.52	5.16	5.34	5.11	42.9
4.965	28.57	6.8	2.56	5.16	5.28	5.04	42.9
4.988	28.57	6.8	2.63	5.16	5.28	5.03	42.9
4.997	28.57	6.8	2.75	5.16	5.28	5.08	42.9
5.021	28.57	6.8	2.56	5.16	5.2	5.05	42.9
5.063	28.57	6.8	2.37	5.16	5.13	4.94	42.9
5.096	28.57	6.8	2.59	5.16	5.12	5.01	42.89
5.115	28.55	6.8	2.71	5.16	5.1	5.04	42.88
5.137	28.51	6.8	2.48	5.16	5.06	5.03	42.9
5.179	28.49	6.79	2.44	5.16	4.98	5.1	42.87
5.232	28.42	6.78	2.63	5.16	4.94	5.1	42.86
5.277	28.32	6.78	2.59	5.12	4.89	5.08	42.93
5.31	28.25	6.77	2.52	5.06	4.88	5.11	43.0
5.337	28.2	6.77	2.44	4.94	4.84	5.09	43.04
5.383	28.18	6.77	2.25	4.78	4.77	4.93	43.05
5.453	28.17	6.77	1.75	4.54	4.7	4.92	43.04
5.513	28.15	6.77	1.75	4.27	4.67	4.75	43.05
5.548	28.14	6.77	1.49	4.0	4.66	4.62	43.05
5.579	28.13	6.77	1.83	3.76	4.63	4.53	43.06
5.633	28.12	6.77	1.72	3.55	4.58	3.97	43.06
5.693	28.12	6.77	1.72	3.39	4.55	3.51	43.06
5.733	28.11	6.77	1.83	3.27	4.54	3.16	43.06
5.757	28.1	6.77	1.79	3.18	4.53	2.85	43.06
5.783	28.1	6.77	1.79	3.12	4.51	2.83	43.07
5.813	28.09	6.76	1.68	3.08	4.48	2.7	43.06

5.864	28.09	6.76	1.79	3.06	4.43	2.6	43.06
5.943	28.08	6.76	1.6	3.03	4.4	2.67	43.06
6.01	28.08	6.76	1.87	3.01	4.39	2.58	43.06
6.047	28.07	6.76	1.98	2.99	4.37	2.56	43.06
6.078	28.06	6.76	1.64	2.96	4.36	2.51	43.07
6.138	28.06	6.76	1.87	2.94	4.31	2.55	43.07
6.196	28.06	6.76	1.75	2.92	4.34	2.46	43.07
6.223	28.06	6.76	1.64	2.88	4.34	2.39	43.07



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols·1m⁻²)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	28.34	6.8	0.04	3.44	4.43	0.39	43.04
PROF (metros)	5.999	5.998	0.324	6.001	5.935	1.625	5.98
MÁXIMO	28.63	28.63	3.89	5.31	1582.3	7.25	43.21
PROF (metros)	2.321	1.4	5.657	0.297	0.324	0.388	6.0

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.6	6.83	1.96	5.14	603.77	5.16	43.1
1 - 2m	28.61	6.83	3.16	5.19	58.46	3.31	43.1
2 - 3m	28.62	6.84	3.19	5.25	24.63	6.42	43.1
3 - 4m	28.63	6.84	3.34	5.29	11.6	6.54	43.11
4 - 5m	28.62	6.84	3.32	5.27	6.82	6.68	43.12
5 - 6m	28.55	6.83	3.35	4.95	5.02	6.35	43.14
6 - 7m	28.38	6.82	3.32	3.55	4.59	5.56	43.2

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 6 - 7m con los valores 3.55 respectivamente.

CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m, 6 - 7m con los valores 5.16, 3.31, 6.42, 6.54, 6.68, 6.35, 5.56 respectivamente

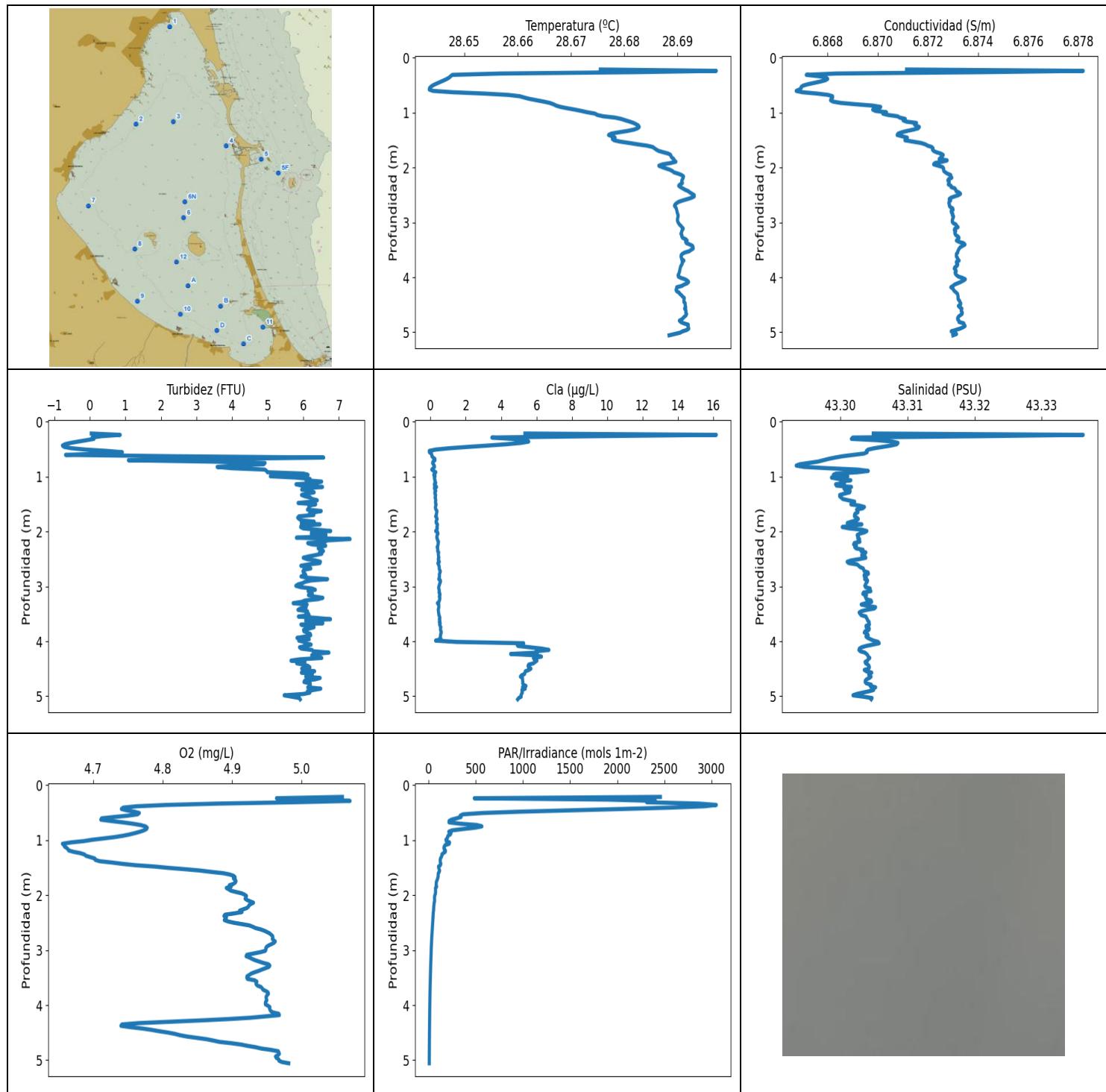
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.285	28.62	6.83	0.19	5.3	1468.8	6.92	43.1
0.297	28.62	6.83	0.08	5.31	1496.0	6.85	43.1
0.324	28.61	6.83	0.04	5.29	1582.3	5.28	43.1
0.388	28.61	6.83	0.08	5.25	1385.8	7.25	43.1
0.596	28.61	6.83	1.83	5.15	382.96	7.09	43.1
0.657	28.6	6.83	1.83	5.05	121.64	5.35	43.09
0.683	28.6	6.83	3.7	5.04	124.55	6.58	43.09
0.76	28.6	6.83	3.7	5.03	224.15	1.12	43.1
0.813	28.6	6.83	2.59	5.04	79.84	4.19	43.1
0.853	28.6	6.83	3.81	5.05	105.31	5.6	43.1
0.885	28.6	6.83	2.86	5.07	167.53	4.88	43.1
0.981	28.6	6.83	2.82	5.12	106.32	0.83	43.1
1.02	28.6	6.83	3.74	5.13	90.44	3.26	43.1
1.059	28.6	6.83	3.01	5.15	82.99	1.61	43.1
1.096	28.61	6.83	3.01	5.16	79.76	0.78	43.1
1.132	28.61	6.83	2.94	5.17	80.84	0.6	43.1
1.167	28.61	6.83	3.36	5.18	87.31	2.45	43.1
1.198	28.61	6.83	2.98	5.18	80.97	0.94	43.1
1.223	28.61	6.83	3.43	5.19	72.03	1.8	43.1
1.248	28.61	6.83	3.17	5.19	71.76	0.82	43.1
1.278	28.61	6.83	3.13	5.19	75.05	0.67	43.1
1.32	28.61	6.83	3.28	5.19	67.66	0.62	43.1
1.365	28.61	6.83	3.01	5.19	71.91	1.27	43.1
1.4	28.62	6.84	2.86	5.19	61.54	3.57	43.1
1.42	28.62	6.83	2.94	5.18	64.56	1.21	43.1
1.433	28.62	6.83	3.05	5.17	60.07	0.74	43.09
1.451	28.62	6.83	3.28	5.16	61.75	0.72	43.09
1.48	28.61	6.83	3.4	5.16	59.84	0.73	43.09
1.51	28.61	6.83	3.32	5.17	51.88	0.6	43.09
1.542	28.61	6.83	3.32	5.18	51.36	0.74	43.1
1.576	28.61	6.83	3.05	5.19	57.05	0.81	43.1

1.603	28.61	6.83	3.32	5.2	56.99	0.78	43.1
1.625	28.61	6.83	3.4	5.21	49.95	0.39	43.1
1.65	28.61	6.83	3.09	5.22	48.29	4.92	43.1
1.68	28.61	6.83	2.79	5.23	48.96	6.0	43.1
1.708	28.62	6.83	2.9	5.23	50.94	6.32	43.1
1.733	28.62	6.83	2.9	5.23	47.55	6.5	43.1
1.762	28.61	6.83	2.9	5.24	45.49	6.75	43.09
1.794	28.61	6.83	3.2	5.23	44.95	7.02	43.1
1.827	28.61	6.83	3.05	5.22	42.88	6.63	43.09
1.857	28.61	6.83	3.13	5.21	42.53	6.83	43.1
1.881	28.61	6.83	3.28	5.19	43.43	6.71	43.1
1.904	28.61	6.83	3.24	5.18	40.6	6.7	43.1
1.929	28.61	6.83	3.24	5.18	39.16	6.79	43.1
1.944	28.61	6.83	3.2	5.17	39.96	6.62	43.1
1.961	28.61	6.83	3.28	5.17	39.91	6.57	43.09
1.989	28.6	6.83	3.43	5.17	35.58	6.46	43.1
2.026	28.6	6.83	3.01	5.17	35.18	6.66	43.1
2.049	28.6	6.83	2.94	5.18	36.39	6.43	43.1
2.059	28.6	6.83	2.94	5.19	35.37	6.57	43.1
2.078	28.6	6.83	2.9	5.19	33.42	6.46	43.1
2.112	28.6	6.83	3.36	5.19	31.16	6.38	43.1
2.148	28.61	6.83	2.98	5.19	30.25	6.41	43.11
2.182	28.61	6.84	3.62	5.19	29.83	6.33	43.11
2.212	28.61	6.84	3.17	5.2	30.53	6.34	43.11
2.242	28.62	6.84	3.13	5.21	29.94	6.45	43.1
2.273	28.62	6.84	3.32	5.22	28.5	6.47	43.1
2.297	28.62	6.84	3.36	5.23	27.66	6.45	43.1
2.321	28.63	6.84	3.28	5.24	26.56	6.48	43.1
2.349	28.63	6.84	3.4	5.25	25.92	6.49	43.1
2.389	28.63	6.84	3.17	5.26	25.5	6.46	43.1
2.427	28.63	6.84	3.47	5.27	25.04	6.31	43.1
2.447	28.63	6.84	3.28	5.27	24.95	6.38	43.1
2.455	28.63	6.84	3.4	5.27	24.77	6.52	43.1
2.471	28.63	6.84	3.05	5.28	24.3	6.15	43.1
2.506	28.63	6.84	3.32	5.27	23.34	5.94	43.09
2.55	28.63	6.84	3.13	5.27	22.41	5.21	43.09
2.587	28.62	6.83	3.32	5.28	21.94	6.19	43.09
2.611	28.62	6.83	3.43	5.28	21.8	6.59	43.09
2.633	28.61	6.83	3.32	5.28	21.11	6.53	43.09
2.658	28.61	6.83	2.94	5.28	20.33	6.6	43.1
2.689	28.61	6.84	3.01	5.28	19.95	6.53	43.11
2.722	28.62	6.84	3.32	5.28	19.89	6.56	43.12
2.752	28.62	6.84	2.98	5.27	19.84	6.54	43.11
2.776	28.63	6.84	3.17	5.27	19.28	6.6	43.11
2.808	28.63	6.84	3.13	5.27	18.25	6.47	43.11
2.857	28.63	6.84	3.2	5.27	17.32	6.62	43.11
2.904	28.63	6.84	3.01	5.27	16.86	6.57	43.1
2.94	28.63	6.84	2.98	5.28	16.76	6.48	43.1
2.961	28.63	6.84	3.13	5.29	16.66	6.47	43.1
2.981	28.63	6.84	3.17	5.29	16.3	6.49	43.1
3.005	28.63	6.84	3.43	5.29	16.06	6.58	43.1
3.036	28.63	6.84	3.32	5.29	15.69	6.52	43.1
3.063	28.63	6.84	3.13	5.29	15.53	6.53	43.1
3.082	28.63	6.84	3.28	5.29	15.24	6.54	43.1
3.105	28.63	6.84	3.32	5.29	14.68	6.59	43.1
3.147	28.63	6.84	3.17	5.29	14.02	6.53	43.1
3.19	28.63	6.84	3.43	5.29	13.88	6.52	43.1
3.221	28.63	6.84	3.55	5.3	13.8	6.54	43.1

3.24	28.63	6.84	3.43	5.3	13.71	6.59	43.1
3.264	28.63	6.84	3.43	5.29	13.34	6.54	43.1
3.297	28.63	6.84	3.32	5.3	13.04	6.54	43.1
3.335	28.63	6.84	3.51	5.29	12.65	6.4	43.11
3.368	28.63	6.84	3.17	5.29	12.44	6.55	43.11
3.394	28.63	6.84	3.17	5.29	12.19	6.66	43.11
3.43	28.63	6.84	3.32	5.28	11.83	6.5	43.11
3.471	28.63	6.84	3.32	5.28	11.53	6.49	43.1
3.498	28.63	6.84	3.32	5.28	11.5	6.48	43.1
3.51	28.63	6.84	3.2	5.28	11.5	6.71	43.1
3.521	28.63	6.84	3.47	5.28	11.38	6.44	43.1
3.544	28.63	6.84	3.28	5.28	11.12	6.48	43.1
3.575	28.63	6.84	3.32	5.28	10.84	6.48	43.1
3.611	28.63	6.84	3.55	5.28	10.52	6.63	43.11
3.654	28.63	6.84	3.09	5.29	10.19	6.5	43.11
3.698	28.63	6.84	3.43	5.29	10.0	6.66	43.1
3.722	28.63	6.84	3.47	5.29	10.02	6.59	43.11
3.74	28.63	6.84	3.28	5.29	9.93	6.56	43.11
3.764	28.63	6.84	3.32	5.29	9.76	6.41	43.11
3.787	28.63	6.84	3.36	5.29	9.66	6.46	43.11
3.806	28.63	6.84	3.47	5.3	9.51	6.57	43.11
3.837	28.63	6.84	3.4	5.29	9.25	6.51	43.11
3.878	28.63	6.84	3.13	5.29	9.04	6.52	43.11
3.917	28.63	6.84	3.43	5.3	8.87	6.61	43.11
3.95	28.63	6.84	3.51	5.29	8.77	6.56	43.11
3.974	28.63	6.84	3.09	5.29	8.72	6.57	43.11
3.986	28.63	6.84	3.47	5.29	8.7	6.54	43.11
3.998	28.63	6.84	3.36	5.28	8.67	6.63	43.11
4.016	28.63	6.84	3.2	5.28	8.51	6.63	43.11
4.043	28.63	6.84	3.4	5.28	8.35	6.62	43.11
4.076	28.63	6.84	3.47	5.28	8.18	6.63	43.11
4.118	28.63	6.84	3.78	5.27	7.99	6.66	43.11
4.162	28.63	6.84	3.28	5.27	7.83	6.68	43.11
4.2	28.63	6.84	3.36	5.27	7.71	6.67	43.11
4.226	28.63	6.84	3.17	5.27	7.65	6.73	43.11
4.242	28.63	6.84	3.17	5.28	7.61	6.62	43.11
4.265	28.63	6.84	3.47	5.28	7.52	6.67	43.11
4.299	28.63	6.84	3.47	5.28	7.37	6.59	43.11
4.336	28.63	6.84	3.36	5.29	7.24	6.67	43.12
4.364	28.63	6.84	3.43	5.28	7.2	6.79	43.12
4.389	28.63	6.84	3.43	5.28	7.09	6.75	43.12
4.412	28.63	6.84	3.47	5.28	7.03	6.78	43.12
4.429	28.63	6.84	3.55	5.28	7.04	6.67	43.12
4.444	28.63	6.84	3.47	5.27	6.96	6.69	43.12
4.466	28.63	6.84	3.4	5.27	6.89	6.64	43.12
4.494	28.63	6.84	3.09	5.28	6.8	6.69	43.12
4.522	28.63	6.84	3.24	5.28	6.72	6.77	43.12
4.548	28.63	6.84	3.43	5.28	6.66	6.64	43.12
4.573	28.63	6.84	3.47	5.28	6.59	6.73	43.12
4.596	28.62	6.84	2.98	5.28	6.51	6.79	43.12
4.622	28.62	6.84	3.47	5.28	6.49	6.64	43.12
4.656	28.62	6.84	3.01	5.28	6.37	6.76	43.13
4.702	28.62	6.84	3.05	5.28	6.25	6.75	43.13
4.744	28.62	6.84	3.09	5.28	6.18	6.76	43.13
4.777	28.62	6.84	3.28	5.28	6.15	6.76	43.13
4.802	28.62	6.84	3.4	5.28	6.06	6.68	43.13
4.83	28.62	6.84	3.32	5.27	6.02	6.62	43.13
4.858	28.62	6.84	3.05	5.26	5.97	6.62	43.13

4.887	28.62	6.84	3.17	5.25	5.87	6.61	43.13
4.92	28.61	6.84	3.36	5.24	5.82	6.67	43.14
4.95	28.61	6.84	3.47	5.23	5.76	6.72	43.14
4.969	28.61	6.84	3.17	5.23	5.75	6.58	43.14
4.977	28.6	6.84	3.28	5.22	5.76	6.61	43.14
4.992	28.6	6.84	3.4	5.21	5.69	6.51	43.14
5.019	28.6	6.84	3.51	5.21	5.63	6.49	43.14
5.057	28.6	6.84	3.43	5.2	5.58	6.57	43.14
5.093	28.6	6.84	3.32	5.19	5.52	6.37	43.14
5.124	28.6	6.84	3.2	5.18	5.48	6.42	43.14
5.151	28.59	6.84	3.28	5.17	5.44	6.5	43.15
5.176	28.59	6.84	3.2	5.17	5.38	6.45	43.15
5.212	28.59	6.84	3.36	5.15	5.34	6.37	43.15
5.25	28.58	6.84	3.09	5.14	5.28	6.44	43.15
5.286	28.58	6.84	3.36	5.12	5.26	6.42	43.15
5.321	28.58	6.84	3.2	5.1	5.21	6.39	43.15
5.354	28.58	6.84	3.01	5.08	5.18	6.41	43.15
5.385	28.58	6.84	3.51	5.06	5.14	6.43	43.15
5.409	28.58	6.84	3.36	5.05	5.12	6.41	43.15
5.429	28.58	6.84	3.62	5.03	5.11	6.39	43.15
5.451	28.58	6.84	3.43	5.01	5.04	6.41	43.15
5.483	28.57	6.84	3.51	5.0	5.01	6.4	43.15
5.514	28.57	6.84	3.2	4.98	5.01	6.43	43.15
5.532	28.57	6.84	3.36	4.97	4.98	6.45	43.15
5.554	28.57	6.84	3.36	4.96	4.95	6.45	43.15
5.588	28.56	6.84	3.32	4.94	4.91	6.42	43.15
5.625	28.56	6.84	3.36	4.92	4.86	6.48	43.15
5.657	28.56	6.84	3.89	4.9	4.85	6.42	43.15
5.691	28.56	6.83	3.66	4.88	4.8	6.35	43.14
5.731	28.55	6.83	3.4	4.86	4.76	6.37	43.14
5.77	28.54	6.83	3.17	4.84	4.75	6.45	43.13
5.793	28.52	6.83	3.47	4.82	4.73	6.24	43.12
5.815	28.51	6.83	3.51	4.8	4.69	6.3	43.15
5.845	28.5	6.83	3.43	4.76	4.67	6.16	43.15
5.883	28.5	6.82	3.4	4.71	4.64	6.0	43.13
5.935	28.49	6.82	3.36	4.63	4.43	5.95	43.1
5.98	28.45	6.81	3.13	4.56	4.58	6.04	43.04
5.998	28.39	6.8	3.13	4.47	4.58	6.05	43.08
5.999	28.34	6.81	3.01	4.38	4.58	5.95	43.14
6.0	28.36	6.82	3.47	3.65	4.6	5.58	43.21
6.001	28.39	6.82	3.17	3.44	4.59	5.53	43.2



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m⁻²)	[Cl] (mg/m³)	Salinity (PSU)
MÍNIMO	28.64	6.87	0.04	4.66	7.12	0.03	43.3
PROF (metros)	0.52	0.214	0.214	1.053	5.041	0.52	0.214
MÁXIMO	28.69	28.69	7.25	5.07	2569.6	6.54	43.31
PROF (metros)	1.63	0.214	2.13	0.285	0.321	4.166	0.274

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.66	6.87	2.35	4.83	966.98	1.52	43.3
1 - 2m	28.68	6.87	6.16	4.8	119.74	0.3	43.3
2 - 3m	28.69	6.87	6.31	4.93	45.42	0.45	43.3
3 - 4m	28.69	6.87	6.13	4.94	19.65	0.51	43.3
4 - 5m	28.69	6.87	6.15	4.89	9.8	5.35	43.3
5 - 6m	28.69	6.87	5.76	4.97	7.26	5.0	43.3

OBSERVACIONES GENERALES

CLOROFILA elevada en la(s) columna(s) de agua 4 - 5m, 5 - 6m con los valores 5.35, 5.0 respectivamente

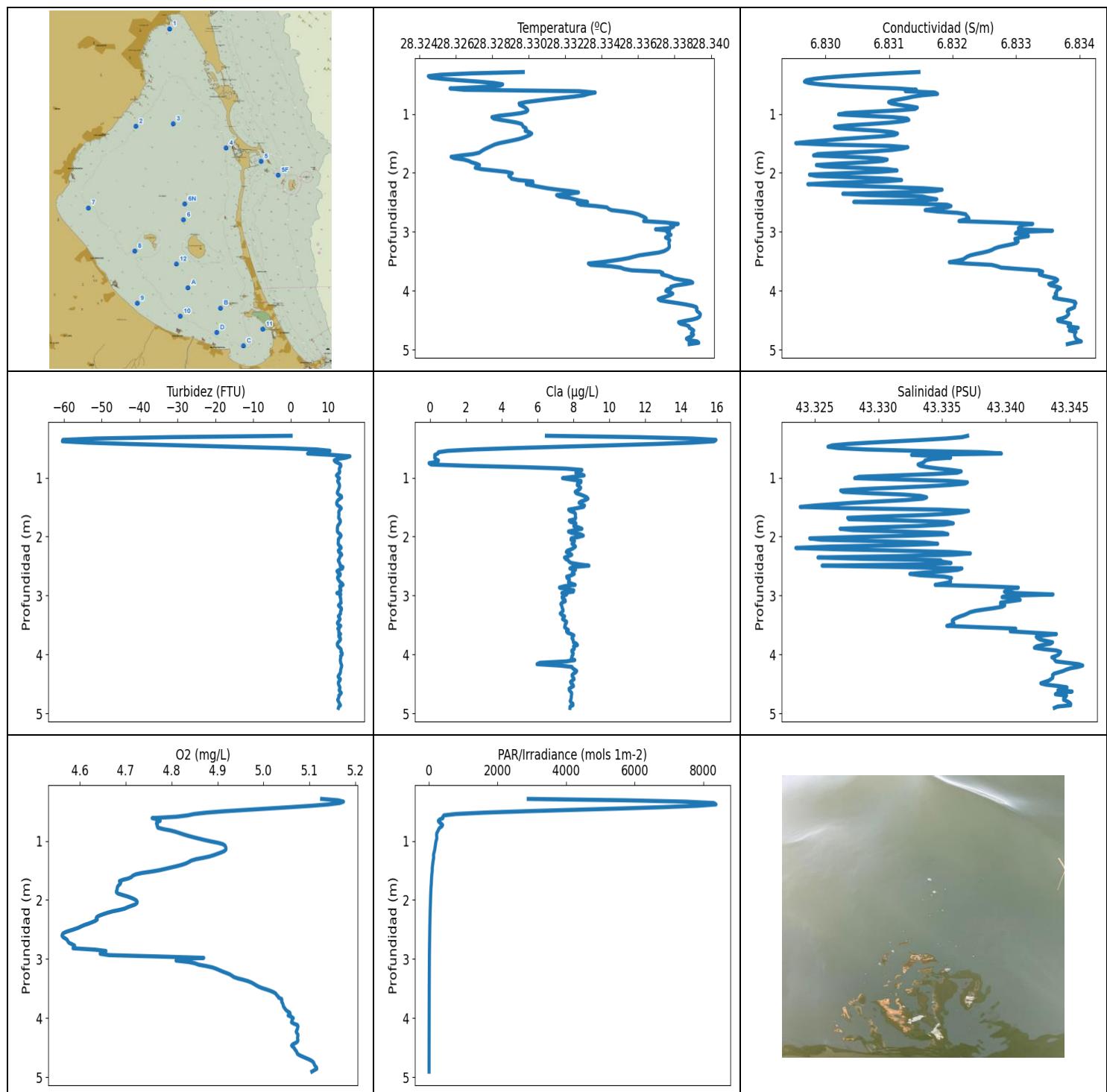
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.214	28.68	6.87	0.04	5.06	2458.3	5.35	43.3
0.274	28.67	6.87	0.08	5.06	2507.2	5.25	43.31
0.285	28.66	6.87	0.04	5.07	2496.8	3.46	43.3
0.288	28.66	6.87	0.08	5.07	2359.5	3.51	43.3
0.321	28.65	6.87	0.04	4.94	2569.6	4.99	43.3
0.52	28.64	6.87	0.19	4.77	426.84	0.03	43.3
0.577	28.64	6.87	0.46	4.73	345.91	0.05	43.3
0.615	28.65	6.87	0.04	4.71	266.76	0.07	43.3
0.657	28.65	6.87	6.64	4.73	213.84	0.17	43.3
0.689	28.66	6.87	1.45	4.75	255.21	0.28	43.3
0.727	28.66	6.87	3.59	4.77	523.77	0.14	43.3
0.834	28.67	6.87	3.62	4.77	219.11	0.21	43.3
0.875	28.67	6.87	5.0	4.76	240.51	0.08	43.3
0.92	28.67	6.87	5.0	4.74	206.06	0.3	43.3
0.961	28.67	6.87	6.33	4.72	200.45	0.18	43.3
0.999	28.67	6.87	5.04	4.7	181.86	0.27	43.3
1.028	28.67	6.87	6.26	4.68	200.73	0.2	43.3
1.053	28.68	6.87	5.99	4.66	231.86	0.27	43.3
1.084	28.68	6.87	6.45	4.66	183.64	0.24	43.3
1.123	28.68	6.87	6.18	4.66	165.68	0.29	43.3
1.154	28.68	6.87	5.72	4.66	161.47	0.19	43.3
1.182	28.68	6.87	6.52	4.66	176.54	0.35	43.3
1.215	28.68	6.87	5.99	4.67	175.81	0.21	43.3
1.25	28.68	6.87	6.1	4.69	144.61	0.3	43.3
1.289	28.68	6.87	6.29	4.69	140.31	0.24	43.3
1.333	28.68	6.87	5.95	4.7	126.12	0.3	43.3
1.377	28.68	6.87	6.18	4.71	123.69	0.26	43.3
1.417	28.68	6.87	6.29	4.73	126.74	0.3	43.3
1.45	28.68	6.87	6.33	4.76	128.75	0.29	43.3
1.476	28.68	6.87	5.84	4.78	106.89	0.28	43.3
1.506	28.68	6.87	6.37	4.81	108.33	0.32	43.3
1.538	28.68	6.87	6.07	4.84	113.63	0.29	43.3
1.568	28.68	6.87	6.26	4.86	117.19	0.28	43.3
1.59	28.68	6.87	6.03	4.88	106.57	0.3	43.3
1.607	28.68	6.87	6.22	4.89	102.31	0.33	43.3

1.63	28.69	6.87	6.52	4.9	101.81	0.37	43.3
1.665	28.69	6.87	6.14	4.9	101.24	0.34	43.3
1.699	28.69	6.87	6.29	4.9	95.35	0.34	43.3
1.723	28.69	6.87	5.88	4.9	91.43	0.29	43.3
1.755	28.69	6.87	5.88	4.91	83.04	0.37	43.3
1.803	28.69	6.87	6.03	4.9	81.03	0.33	43.3
1.838	28.69	6.87	6.18	4.9	82.7	0.32	43.3
1.852	28.69	6.87	5.91	4.9	84.72	0.35	43.3
1.859	28.69	6.87	6.29	4.89	78.13	0.38	43.3
1.884	28.69	6.87	6.1	4.89	73.79	0.4	43.3
1.924	28.69	6.87	5.95	4.9	73.44	0.36	43.3
1.96	28.69	6.87	6.22	4.91	73.87	0.39	43.3
1.985	28.69	6.87	6.79	4.92	70.13	0.29	43.3
2.018	28.69	6.87	6.18	4.92	64.27	0.42	43.3
2.061	28.69	6.87	6.6	4.92	63.0	0.38	43.3
2.095	28.69	6.87	6.33	4.92	63.92	0.36	43.3
2.114	28.69	6.87	5.88	4.93	63.38	0.36	43.3
2.13	28.69	6.87	7.25	4.93	59.87	0.4	43.3
2.148	28.69	6.87	6.87	4.93	59.05	0.38	43.3
2.175	28.69	6.87	6.71	4.92	57.11	0.44	43.3
2.217	28.69	6.87	6.07	4.92	54.9	0.44	43.3
2.26	28.69	6.87	6.64	4.92	53.61	0.42	43.3
2.285	28.69	6.87	6.45	4.91	52.75	0.38	43.3
2.301	28.69	6.87	6.41	4.91	50.91	0.4	43.3
2.326	28.69	6.87	6.49	4.91	49.6	0.42	43.3
2.359	28.69	6.87	6.56	4.89	48.84	0.41	43.3
2.393	28.69	6.87	6.45	4.89	47.32	0.48	43.3
2.418	28.69	6.87	6.52	4.89	46.54	0.42	43.3
2.434	28.69	6.87	6.26	4.89	45.75	0.47	43.3
2.454	28.69	6.87	6.14	4.89	45.09	0.46	43.3
2.482	28.69	6.87	5.99	4.9	43.65	0.47	43.3
2.513	28.69	6.87	6.22	4.91	42.33	0.43	43.3
2.551	28.69	6.87	6.49	4.93	40.73	0.5	43.3
2.581	28.69	6.87	6.41	4.93	40.16	0.41	43.3
2.604	28.69	6.87	6.07	4.94	39.18	0.47	43.3
2.629	28.69	6.87	5.95	4.94	38.4	0.49	43.3
2.659	28.69	6.87	6.26	4.95	37.34	0.5	43.3
2.688	28.69	6.87	6.07	4.95	36.6	0.5	43.3
2.718	28.69	6.87	5.99	4.96	35.47	0.56	43.3
2.76	28.69	6.87	6.03	4.96	33.87	0.52	43.3
2.805	28.69	6.87	6.03	4.96	32.72	0.51	43.3
2.84	28.69	6.87	6.07	4.96	32.23	0.5	43.3
2.863	28.69	6.87	6.68	4.96	31.96	0.46	43.3
2.887	28.69	6.87	6.29	4.96	30.7	0.55	43.3
2.927	28.69	6.87	6.03	4.95	29.29	0.55	43.3
2.977	28.69	6.87	5.8	4.95	28.25	0.5	43.3
3.015	28.69	6.87	5.95	4.95	27.92	0.47	43.3
3.042	28.69	6.87	6.29	4.94	27.12	0.47	43.3
3.069	28.69	6.87	6.29	4.93	26.58	0.5	43.3
3.096	28.69	6.87	6.1	4.92	26.07	0.49	43.3
3.119	28.69	6.87	6.29	4.92	25.61	0.49	43.3
3.145	28.69	6.87	6.18	4.93	25.02	0.56	43.3
3.175	28.69	6.87	6.22	4.93	24.55	0.5	43.3
3.203	28.69	6.87	6.52	4.94	23.96	0.53	43.3
3.227	28.69	6.87	6.49	4.94	23.48	0.53	43.3
3.253	28.69	6.87	6.07	4.95	22.84	0.51	43.3
3.278	28.69	6.87	5.99	4.95	22.64	0.49	43.3
3.3	28.69	6.87	5.68	4.95	22.2	0.39	43.3

3.324	28.69	6.87	6.07	4.95	21.8	0.46	43.3
3.354	28.69	6.87	6.03	4.94	21.16	0.47	43.3
3.388	28.69	6.87	6.07	4.94	20.7	0.47	43.31
3.418	28.69	6.87	5.8	4.93	20.18	0.44	43.3
3.448	28.69	6.87	6.1	4.93	19.67	0.45	43.3
3.479	28.69	6.87	6.07	4.92	19.19	0.46	43.3
3.507	28.69	6.87	6.18	4.92	18.94	0.48	43.3
3.528	28.69	6.87	6.14	4.92	18.68	0.48	43.3
3.546	28.69	6.87	5.91	4.93	18.45	0.51	43.3
3.562	28.69	6.87	5.76	4.94	18.17	0.55	43.3
3.583	28.69	6.87	6.94	4.93	17.75	0.5	43.3
3.611	28.69	6.87	6.18	4.93	17.4	0.52	43.3
3.635	28.69	6.87	6.18	4.94	17.15	0.52	43.3
3.652	28.69	6.87	6.29	4.94	16.9	0.5	43.3
3.675	28.69	6.87	6.52	4.94	16.56	0.56	43.3
3.697	28.69	6.87	5.88	4.94	16.4	0.51	43.3
3.714	28.69	6.87	5.99	4.94	16.15	0.53	43.3
3.739	28.69	6.87	6.29	4.95	15.65	0.59	43.3
3.779	28.69	6.87	6.07	4.95	15.1	0.56	43.3
3.83	28.69	6.87	6.07	4.95	14.54	0.61	43.3
3.881	28.69	6.87	6.22	4.95	14.13	0.57	43.3
3.918	28.69	6.87	5.99	4.95	13.86	0.57	43.3
3.939	28.69	6.87	5.84	4.95	13.73	0.54	43.3
3.957	28.69	6.87	6.18	4.95	13.42	0.53	43.3
3.98	28.69	6.87	5.88	4.95	13.24	0.6	43.3
4.003	28.69	6.87	6.03	4.95	13.09	0.25	43.31
4.024	28.69	6.87	5.99	4.95	12.77	4.24	43.31
4.058	28.69	6.87	6.22	4.95	12.45	4.93	43.3
4.098	28.69	6.87	5.95	4.96	12.11	5.32	43.3
4.137	28.69	6.87	5.99	4.96	11.8	6.41	43.3
4.166	28.69	6.87	6.29	4.97	11.71	6.54	43.3
4.182	28.69	6.87	6.29	4.97	11.57	5.97	43.3
4.203	28.69	6.87	6.71	4.95	11.41	6.13	43.3
4.23	28.69	6.87	6.29	4.93	11.15	4.53	43.3
4.258	28.69	6.87	6.26	4.89	10.97	6.18	43.3
4.287	28.69	6.87	6.41	4.84	10.79	6.07	43.3
4.313	28.69	6.87	6.41	4.79	10.65	5.79	43.3
4.337	28.69	6.87	5.61	4.75	10.49	5.95	43.3
4.362	28.69	6.87	5.88	4.74	10.35	6.01	43.3
4.38	28.69	6.87	6.03	4.74	10.28	5.91	43.3
4.395	28.69	6.87	5.8	4.75	10.16	5.9	43.3
4.41	28.69	6.87	5.95	4.76	10.05	5.65	43.3
4.433	28.69	6.87	6.03	4.78	9.83	5.55	43.3
4.466	28.69	6.87	6.22	4.79	9.65	5.53	43.3
4.498	28.69	6.87	5.95	4.81	9.5	5.69	43.3
4.527	28.69	6.87	6.1	4.82	9.33	5.52	43.3
4.552	28.69	6.87	6.29	4.83	9.22	5.34	43.3
4.575	28.69	6.87	5.91	4.84	9.13	5.35	43.3
4.6	28.69	6.87	6.33	4.85	8.96	5.3	43.3
4.632	28.69	6.87	5.99	4.87	8.79	5.08	43.3
4.669	28.69	6.87	6.49	4.88	8.61	5.21	43.3
4.7	28.69	6.87	6.22	4.9	8.48	5.2	43.3
4.733	28.69	6.87	5.99	4.92	8.35	5.23	43.3
4.771	28.69	6.87	6.22	4.94	8.19	5.22	43.3
4.8	28.69	6.87	6.18	4.95	8.12	5.32	43.3
4.818	28.69	6.87	6.18	4.96	8.04	5.39	43.3
4.834	28.69	6.87	6.1	4.97	8.03	5.19	43.31
4.852	28.69	6.87	6.33	4.97	7.89	5.38	43.3

4.872	28.69	6.87	6.52	4.97	7.84	5.27	43.3
4.89	28.69	6.87	6.22	4.97	7.75	5.17	43.3
4.919	28.69	6.87	6.14	4.96	7.61	5.2	43.3
4.96	28.69	6.87	5.99	4.96	7.41	5.15	43.3
5.004	28.69	6.87	5.53	4.97	7.31	5.13	43.3
5.027	28.69	6.87	6.1	4.97	7.28	5.05	43.3
5.033	28.69	6.87	5.88	4.97	7.29	4.99	43.3
5.041	28.69	6.87	5.68	4.97	7.12	5.04	43.3
5.051	28.69	6.87	5.72	4.98	7.29	4.84	43.31
5.056	28.69	6.87	5.49	4.98	7.27	4.98	43.3
5.057	28.69	6.87	5.91	4.98	7.24	4.94	43.3



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols- 1m^{-2})	[Cla] (mg/ m^3)	Salinity (PSU)
MÍNIMO	28.33	6.83	0.04	4.56	4.72	0.23	43.32
PROF (metros)	0.29	0.29	0.29	2.596	4.904	0.621	1.476
MÁXIMO	28.34	28.34	15.03	5.13	2897.4	8.8	43.35
PROF (metros)	2.673	0.29	0.631	0.29	0.29	2.498	4.151

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.33	6.83	10.15	4.83	704.28	3.31	43.33
1 - 2m	28.33	6.83	12.67	4.78	104.17	8.17	43.33
2 - 3m	28.33	6.83	12.83	4.65	26.48	7.84	43.33
3 - 4m	28.34	6.83	12.88	4.99	9.24	7.7	43.34
4 - 5m	28.34	6.83	12.84	5.09	5.29	7.81	43.34

OBSERVACIONES GENERALES

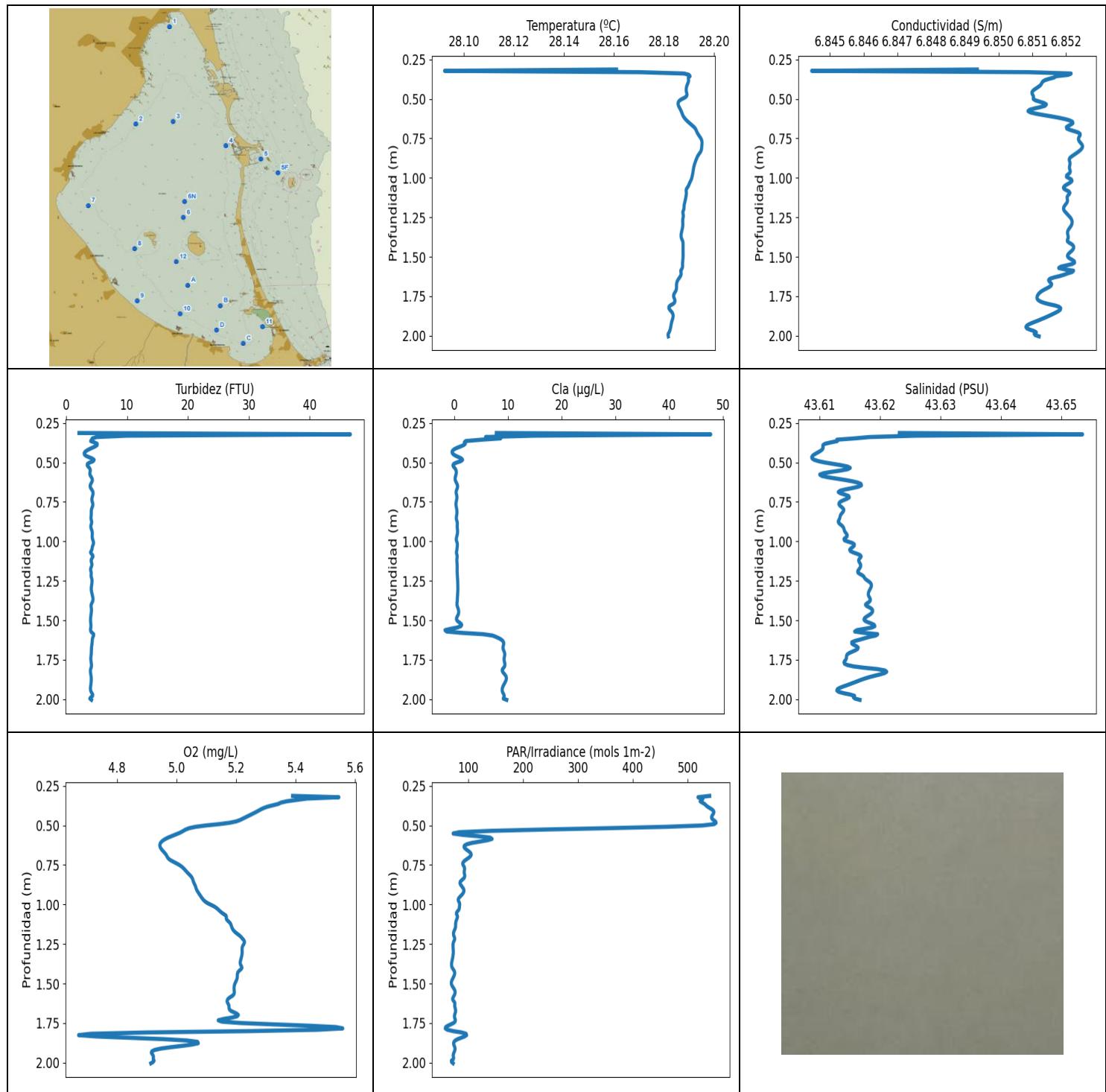
CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m con los valores 3.31, 8.17, 7.84, 7.7, 7.81 respectivamente

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.29	28.33	6.83	0.04	5.13	2897.4	6.49	43.34
0.504	28.33	6.83	0.08	4.9	2502.0	4.14	43.33
0.551	28.33	6.83	10.07	4.84	651.42	0.77	43.33
0.598	28.33	6.83	5.23	4.8	415.71	0.42	43.34
0.621	28.33	6.83	13.05	4.75	388.05	0.23	43.33
0.631	28.33	6.83	15.03	4.76	341.21	0.25	43.33
0.679	28.33	6.83	12.63	4.77	288.37	0.28	43.33
0.738	28.33	6.83	12.02	4.77	401.32	0.31	43.33
0.782	28.33	6.83	13.2	4.77	306.64	0.33	43.33
0.82	28.33	6.83	13.01	4.8	274.92	4.9	43.33
0.86	28.33	6.83	12.74	4.81	236.15	8.25	43.34
0.916	28.33	6.83	12.82	4.84	225.81	8.13	43.34
0.971	28.33	6.83	12.05	4.86	226.6	8.48	43.33
1.007	28.33	6.83	12.82	4.88	205.92	7.39	43.33
1.044	28.33	6.83	12.4	4.91	197.5	8.24	43.33
1.104	28.33	6.83	12.74	4.92	180.77	8.21	43.34
1.169	28.33	6.83	12.74	4.92	162.71	8.4	43.33
1.219	28.33	6.83	12.44	4.9	140.51	8.2	43.33
1.256	28.33	6.83	12.24	4.89	135.05	8.1	43.33
1.286	28.33	6.83	12.55	4.87	138.47	8.38	43.33
1.316	28.33	6.83	13.39	4.85	129.14	8.62	43.33
1.366	28.33	6.83	12.74	4.84	115.87	8.78	43.33
1.423	28.33	6.83	12.09	4.81	103.62	8.31	43.33
1.476	28.33	6.83	12.47	4.78	97.11	8.62	43.32
1.512	28.33	6.83	13.31	4.76	96.3	8.32	43.33
1.538	28.33	6.83	13.05	4.74	90.8	7.77	43.33
1.581	28.33	6.83	12.63	4.72	82.79	7.97	43.34
1.634	28.33	6.83	12.7	4.71	76.64	8.11	43.33
1.679	28.33	6.83	12.59	4.69	73.02	8.12	43.33
1.708	28.33	6.83	12.89	4.69	71.98	8.05	43.33
1.734	28.33	6.83	13.09	4.69	68.7	7.71	43.33
1.772	28.33	6.83	12.89	4.68	62.73	8.12	43.34
1.825	28.33	6.83	12.32	4.68	58.64	8.04	43.33
1.867	28.33	6.83	12.28	4.68	57.03	8.47	43.33
1.896	28.33	6.83	12.24	4.68	54.65	7.94	43.33

1.927	28.33	6.83	12.4	4.7	51.53	7.75	43.33
1.966	28.33	6.83	13.16	4.71	48.52	8.49	43.34
2.007	28.33	6.83	13.05	4.72	46.91	8.25	43.33
2.038	28.33	6.83	12.55	4.73	44.77	7.8	43.32
2.074	28.33	6.83	12.55	4.72	41.62	8.05	43.33
2.121	28.33	6.83	12.47	4.7	39.85	7.91	43.33
2.158	28.33	6.83	12.89	4.69	38.74	8.11	43.33
2.183	28.33	6.83	13.31	4.68	37.48	8.05	43.32
2.214	28.33	6.83	12.86	4.66	35.75	7.88	43.33
2.255	28.33	6.83	12.55	4.65	33.19	7.58	43.33
2.307	28.33	6.83	13.43	4.64	31.36	7.9	43.34
2.345	28.33	6.83	12.82	4.64	31.18	7.57	43.33
2.362	28.33	6.83	12.93	4.63	30.48	7.47	43.32
2.386	28.33	6.83	12.59	4.62	28.7	7.63	43.33
2.428	28.33	6.83	12.66	4.61	27.2	7.76	43.34
2.471	28.33	6.83	12.97	4.6	26.23	8.34	43.33
2.498	28.33	6.83	13.12	4.59	26.06	8.8	43.33
2.519	28.33	6.83	13.81	4.58	24.62	7.86	43.33
2.555	28.33	6.83	13.05	4.57	23.27	8.06	43.34
2.596	28.33	6.83	12.13	4.56	22.59	7.91	43.33
2.625	28.33	6.83	12.86	4.56	22.2	8.02	43.33
2.645	28.33	6.83	13.16	4.57	21.87	8.01	43.33
2.673	28.34	6.83	12.51	4.57	20.53	7.66	43.33
2.73	28.34	6.83	12.55	4.58	18.74	7.78	43.34
2.792	28.34	6.83	13.47	4.59	17.81	7.83	43.34
2.828	28.34	6.83	13.12	4.6	17.85	7.94	43.34
2.834	28.34	6.83	12.63	4.62	18.04	7.74	43.34
2.84	28.34	6.83	12.82	4.63	17.3	7.52	43.34
2.885	28.34	6.83	12.93	4.65	15.83	7.49	43.34
2.942	28.34	6.83	12.55	4.68	15.42	7.73	43.34
2.956	28.34	6.83	12.05	4.76	15.9	7.33	43.34
2.959	28.34	6.83	12.32	4.79	15.19	7.41	43.34
2.997	28.34	6.83	13.01	4.82	14.28	7.5	43.34
3.052	28.34	6.83	13.16	4.84	13.64	7.41	43.34
3.093	28.34	6.83	13.16	4.86	13.24	7.56	43.34
3.125	28.34	6.83	13.24	4.88	12.87	7.33	43.34
3.164	28.34	6.83	12.55	4.9	12.3	7.33	43.34
3.215	28.34	6.83	13.35	4.91	11.65	7.38	43.34
3.268	28.34	6.83	13.09	4.93	11.11	7.4	43.34
3.315	28.34	6.83	13.05	4.94	10.8	7.27	43.34
3.353	28.34	6.83	12.51	4.96	10.53	7.51	43.34
3.391	28.34	6.83	12.97	4.97	10.02	7.38	43.34
3.444	28.34	6.83	12.44	4.98	9.51	7.62	43.34
3.493	28.33	6.83	12.59	5.0	9.27	7.52	43.34
3.527	28.33	6.83	13.2	5.01	9.1	7.52	43.34
3.549	28.33	6.83	12.44	5.02	8.98	7.52	43.34
3.576	28.33	6.83	12.63	5.03	8.69	7.71	43.34
3.612	28.34	6.83	12.63	5.03	8.47	7.6	43.34
3.643	28.34	6.83	12.86	5.03	8.31	7.79	43.34
3.663	28.34	6.83	13.16	5.03	8.29	7.96	43.34
3.676	28.34	6.83	12.63	5.04	8.2	8.02	43.34
3.703	28.34	6.83	12.78	5.04	7.89	7.92	43.34
3.753	28.34	6.83	13.05	5.04	7.59	7.99	43.34
3.801	28.34	6.83	12.36	5.04	7.43	8.04	43.34
3.834	28.34	6.83	12.24	5.05	7.28	8.24	43.34
3.861	28.34	6.83	12.44	5.05	7.13	8.0	43.34
3.894	28.34	6.83	13.01	5.05	7.0	8.07	43.34
3.929	28.34	6.83	13.31	5.06	6.89	7.91	43.34

3.958	28.34	6.83	13.2	5.05	6.76	7.92	43.34
3.987	28.34	6.83	13.66	5.06	6.63	8.0	43.34
4.019	28.34	6.83	13.16	5.06	6.51	7.92	43.34
4.053	28.34	6.83	13.2	5.06	6.4	7.9	43.34
4.079	28.34	6.83	13.05	5.06	6.37	7.92	43.34
4.109	28.34	6.83	13.09	5.07	6.19	7.92	43.34
4.151	28.34	6.83	13.2	5.07	6.06	5.76	43.35
4.192	28.34	6.83	13.43	5.07	5.98	7.5	43.35
4.231	28.34	6.83	13.24	5.07	5.85	7.95	43.35
4.278	28.34	6.83	13.12	5.08	5.7	8.17	43.34
4.333	28.34	6.83	12.86	5.07	5.56	7.95	43.34
4.385	28.34	6.83	12.51	5.07	5.49	7.97	43.34
4.422	28.34	6.83	13.09	5.07	5.41	8.02	43.34
4.456	28.34	6.83	12.66	5.06	5.31	7.85	43.34
4.498	28.34	6.83	12.55	5.07	5.24	7.91	43.34
4.538	28.34	6.83	12.82	5.07	5.21	7.99	43.34
4.571	28.34	6.83	12.97	5.07	5.14	7.78	43.34
4.601	28.34	6.83	12.74	5.07	5.08	7.76	43.34
4.628	28.34	6.83	12.97	5.08	5.04	7.83	43.35
4.658	28.34	6.83	13.31	5.09	4.99	7.9	43.34
4.693	28.34	6.83	12.66	5.1	4.94	7.88	43.34
4.715	28.34	6.83	12.66	5.1	4.93	7.88	43.34
4.731	28.34	6.83	12.66	5.11	4.9	7.87	43.34
4.761	28.34	6.83	12.36	5.11	4.82	7.85	43.34
4.801	28.34	6.83	12.63	5.11	4.81	7.82	43.34
4.838	28.34	6.83	12.89	5.12	4.76	7.97	43.35
4.871	28.34	6.83	12.97	5.11	4.73	7.89	43.34
4.887	28.34	6.83	12.59	5.11	4.74	7.8	43.34
4.894	28.34	6.83	12.74	5.11	4.75	7.84	43.34
4.9	28.34	6.83	12.82	5.11	4.75	7.88	43.34
4.903	28.34	6.83	12.28	5.11	4.74	7.89	43.34
4.904	28.34	6.83	12.13	5.11	4.72	7.8	43.34
4.905	28.34	6.83	12.55	5.11	4.73	7.8	43.34



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m⁻²)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	28.16	6.85	1.76	4.91	69.23	0.17	43.61
PROF (metros)	0.314	0.314	0.334	2.001	1.503	0.539	0.358
MÁXIMO	28.2	28.2	4.88	5.41	550.28	9.78	43.62
PROF (metros)	0.765	0.314	0.377	0.333	0.49	2.004	0.314

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.19	6.85	4.0	5.15	283.13	2.13	43.61
1 - 2m	28.19	6.85	4.17	5.15	75.04	3.83	43.62
2 - 3m	28.18	6.85	4.2	4.91	74.82	9.56	43.62

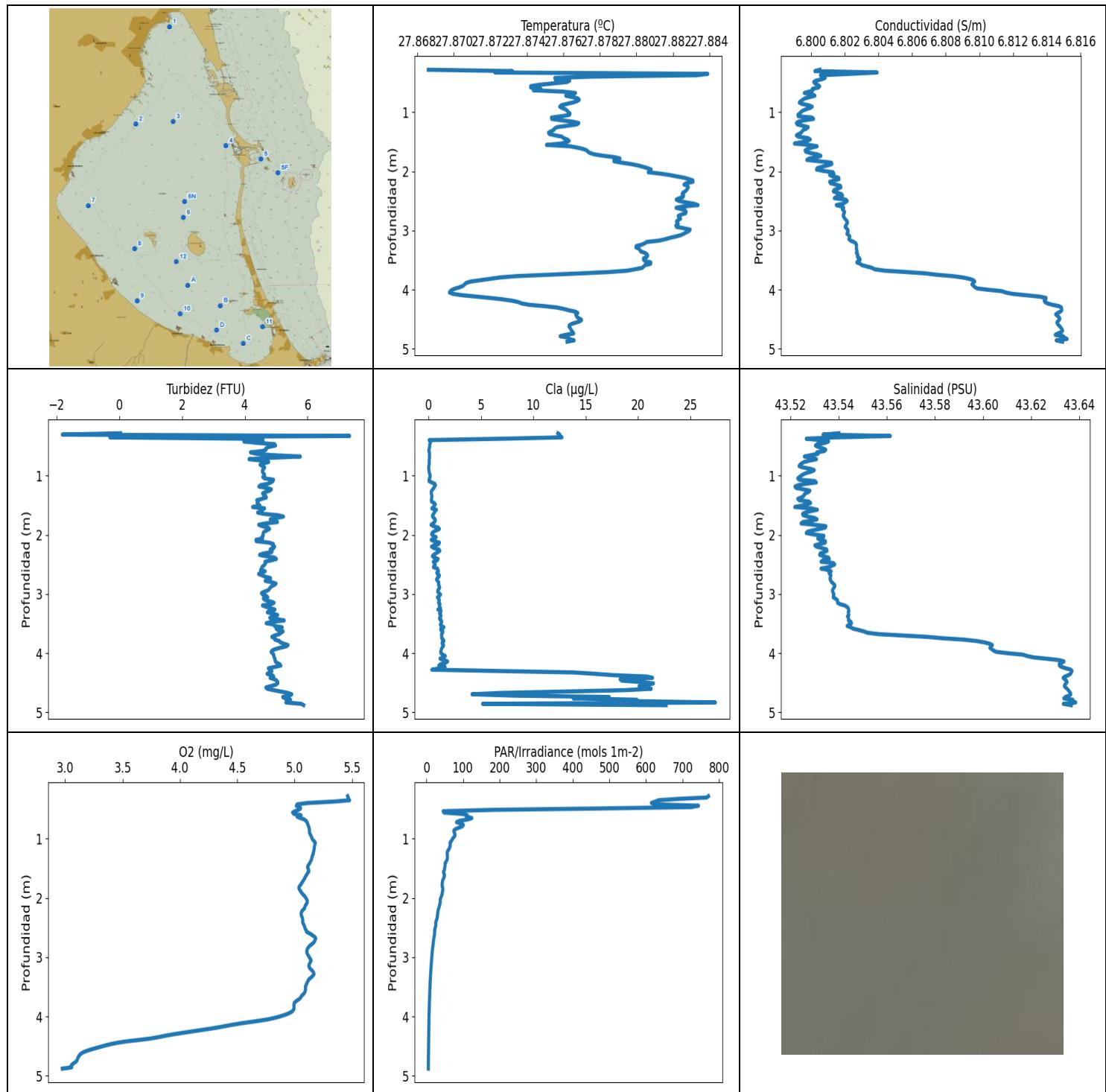
OBSERVACIONES GENERALES

CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m con los valores 2.13, 3.83, 9.56 respectivamente

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.314	28.16	6.85	2.1	5.39	540.42	7.84	43.62
0.333	28.18	6.85	3.43	5.41	529.63	8.17	43.62
0.334	28.19	6.85	1.75	5.41	529.88	6.0	43.62
0.339	28.19	6.85	4.77	5.4	526.94	5.55	43.62
0.344	28.19	6.85	4.04	5.4	524.38	7.81	43.62
0.348	28.19	6.85	4.31	5.37	522.92	8.66	43.62
0.358	28.19	6.85	4.04	5.35	527.8	4.23	43.61
0.377	28.19	6.85	4.88	5.31	534.57	2.01	43.61
0.409	28.19	6.85	4.2	5.27	547.48	0.44	43.61
0.46	28.19	6.85	3.32	5.22	544.95	0.37	43.61
0.49	28.19	6.85	4.54	5.15	550.28	1.39	43.61
0.503	28.19	6.85	3.74	5.09	515.23	0.28	43.61
0.539	28.19	6.85	3.89	5.02	106.2	0.17	43.62
0.575	28.19	6.85	3.89	4.97	135.61	0.34	43.61
0.61	28.19	6.85	4.31	4.95	108.01	0.18	43.61
0.652	28.19	6.85	3.93	4.95	96.19	0.63	43.62
0.686	28.19	6.85	4.39	4.96	105.39	0.35	43.61
0.715	28.19	6.85	4.31	4.98	96.66	0.5	43.61
0.742	28.19	6.85	4.23	5.0	89.73	0.41	43.61
0.765	28.2	6.85	4.39	5.02	92.88	0.32	43.61
0.797	28.2	6.85	4.16	5.04	92.52	0.46	43.61
0.832	28.19	6.85	4.12	5.05	92.47	0.46	43.61
0.858	28.19	6.85	4.08	5.06	85.11	0.4	43.61
0.878	28.19	6.85	4.2	5.06	86.66	0.55	43.61
0.904	28.19	6.85	4.04	5.07	91.68	0.55	43.61
0.939	28.19	6.85	4.27	5.08	88.28	0.62	43.61
0.971	28.19	6.85	4.27	5.09	81.54	0.46	43.61
0.993	28.19	6.85	4.39	5.11	84.21	0.39	43.61
1.01	28.19	6.85	4.5	5.12	83.93	0.55	43.62
1.033	28.19	6.85	4.31	5.14	82.72	0.56	43.62
1.058	28.19	6.85	4.16	5.16	78.26	0.47	43.62
1.072	28.19	6.85	4.0	5.17	80.15	0.41	43.62
1.089	28.19	6.85	4.39	5.17	79.41	0.53	43.62
1.115	28.19	6.85	4.12	5.18	77.07	0.49	43.62
1.147	28.19	6.85	4.23	5.19	76.47	0.54	43.62
1.178	28.19	6.85	4.0	5.2	73.16	0.54	43.62
1.2	28.19	6.85	4.12	5.21	73.84	0.55	43.62
1.218	28.19	6.85	4.08	5.22	75.31	0.59	43.62

1.235	28.19	6.85	4.2	5.23	73.38	0.62	43.62
1.262	28.19	6.85	4.23	5.22	72.13	0.65	43.62
1.3	28.19	6.85	4.12	5.22	72.7	0.68	43.62
1.343	28.19	6.85	4.31	5.22	71.12	0.61	43.62
1.384	28.19	6.85	4.31	5.22	69.5	0.54	43.62
1.403	28.19	6.85	4.08	5.22	71.1	0.52	43.62
1.419	28.19	6.85	4.12	5.21	74.23	0.66	43.62
1.464	28.19	6.85	4.08	5.2	72.25	0.74	43.62
1.503	28.19	6.85	4.0	5.2	69.23	0.56	43.62
1.547	28.19	6.85	4.04	5.19	75.76	0.38	43.62
1.577	28.19	6.85	4.2	5.19	74.01	0.28	43.62
1.587	28.19	6.85	4.5	5.18	72.38	5.08	43.62
1.6	28.19	6.85	4.46	5.17	71.41	7.43	43.62
1.618	28.19	6.85	4.31	5.17	75.05	8.57	43.62
1.637	28.19	6.85	4.27	5.18	75.2	9.17	43.62
1.673	28.18	6.85	4.16	5.18	76.91	9.08	43.62
1.712	28.18	6.85	4.12	5.19	74.8	9.41	43.61
1.746	28.18	6.85	4.04	5.19	74.35	9.28	43.61
1.802	28.18	6.85	4.08	5.18	75.55	9.17	43.62
1.806	28.18	6.85	4.04	5.0	83.37	9.05	43.62
1.852	28.18	6.85	4.08	4.97	80.02	9.61	43.62
1.91	28.18	6.85	4.04	4.95	75.88	9.2	43.61
1.957	28.18	6.85	4.16	4.92	72.53	9.03	43.61
1.984	28.18	6.85	4.2	4.92	70.69	9.28	43.62
1.998	28.18	6.85	4.0	4.92	72.63	9.18	43.62
2.001	28.18	6.85	4.23	4.91	77.2	9.33	43.62
2.004	28.18	6.85	4.16	4.91	72.45	9.78	43.62



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	27.87	6.8	0.04	2.98	4.78	0.01	43.52
PROF (metros)	0.284	0.284	0.284	4.878	4.869	0.853	0.808
MÁXIMO	27.89	27.89	5.95	5.48	771.34	22.67	43.64
PROF (metros)	0.363	4.81	4.877	0.345	0.284	4.878	4.281

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	27.88	6.8	3.66	5.19	371.34	3.66	43.53
1 - 2m	27.88	6.8	4.64	5.12	51.93	0.4	43.53
2 - 3m	27.88	6.8	4.68	5.11	25.07	0.75	43.54
3 - 4m	27.88	6.8	4.91	5.08	9.78	1.17	43.56
4 - 5m	27.88	6.81	5.15	3.56	5.46	13.3	43.63

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 4 - 5m con los valores 3.56 respectivamente.

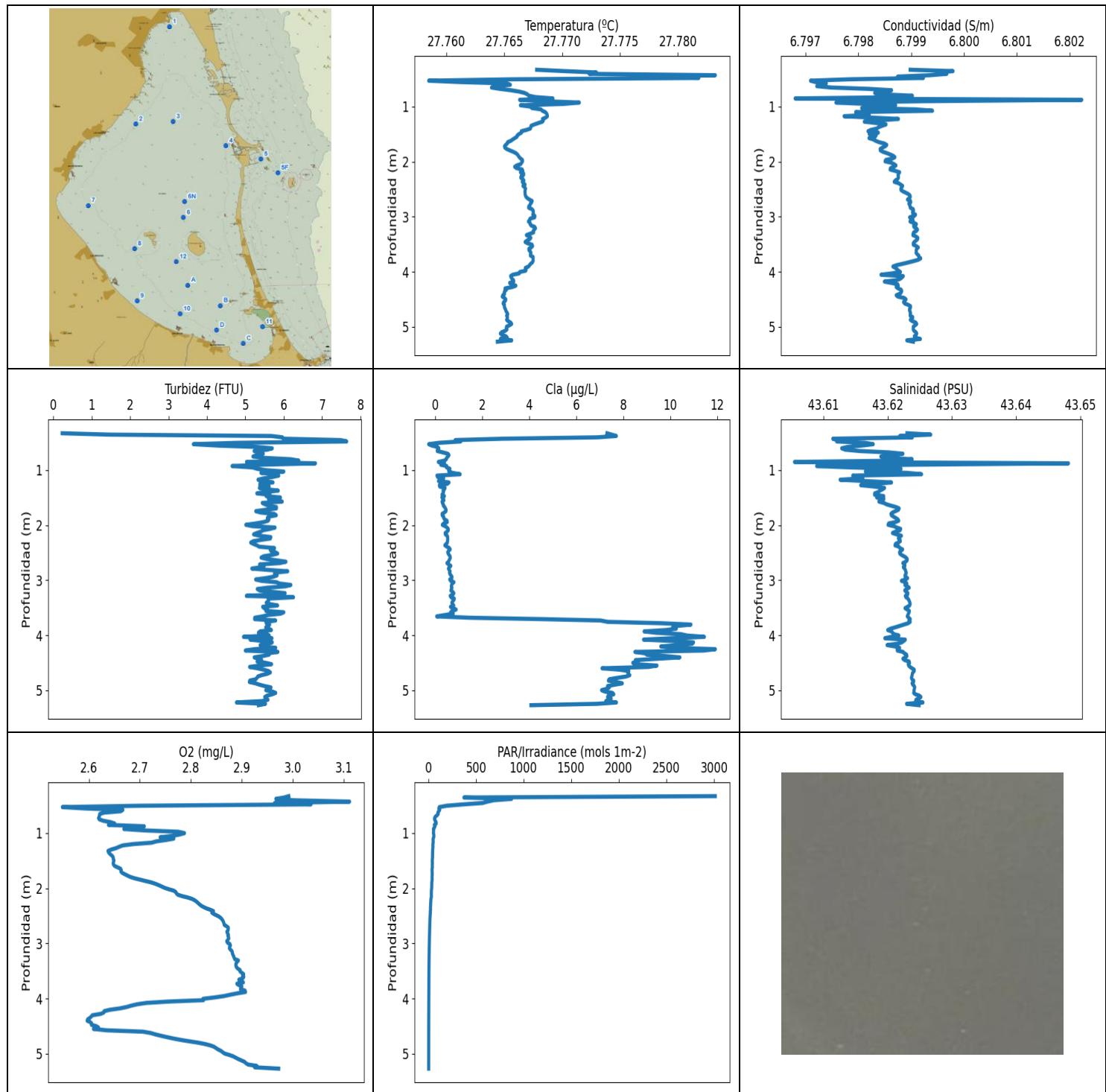
CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 4 - 5m con los valores 3.66, 13.3 respectivamente

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.284	27.87	6.8	0.04	5.46	771.34	12.34	43.54
0.31	27.87	6.8	0.04	5.47	758.92	12.51	43.54
0.336	27.88	6.8	3.89	5.47	667.94	12.67	43.54
0.34	27.88	6.8	0.34	5.47	659.02	12.74	43.53
0.345	27.88	6.8	0.04	5.48	664.54	12.62	43.54
0.355	27.88	6.8	0.04	5.48	628.44	12.27	43.54
0.363	27.89	6.8	3.36	5.44	626.98	9.56	43.54
0.371	27.88	6.8	2.17	5.39	635.91	12.55	43.53
0.383	27.88	6.8	5.61	5.15	612.19	0.15	43.53
0.384	27.88	6.8	5.23	5.11	612.05	0.15	43.53
0.394	27.88	6.8	4.46	5.08	618.04	0.14	43.53
0.414	27.88	6.8	4.12	5.06	607.53	0.11	43.53
0.462	27.88	6.8	4.84	5.04	757.34	0.13	43.53
0.519	27.88	6.8	4.73	5.03	144.77	0.1	43.53
0.594	27.87	6.8	4.42	5.02	112.58	0.04	43.53
0.633	27.87	6.8	4.5	5.0	113.13	0.07	43.53
0.645	27.87	6.8	4.58	4.98	105.53	0.06	43.53
0.647	27.87	6.8	4.39	5.02	95.06	0.08	43.53
0.65	27.88	6.8	4.69	5.04	111.44	0.08	43.53
0.662	27.88	6.8	4.46	5.07	107.41	0.1	43.53
0.671	27.88	6.8	5.38	5.08	110.64	0.1	43.53
0.702	27.88	6.8	4.62	5.1	87.43	0.08	43.53
0.752	27.88	6.8	4.65	5.11	96.81	0.06	43.53
0.808	27.88	6.8	4.5	5.12	92.05	0.06	43.52
0.853	27.88	6.8	4.62	5.13	75.74	0.01	43.52
0.898	27.88	6.8	4.58	5.13	75.94	0.03	43.53
0.951	27.88	6.8	4.58	5.14	77.36	0.07	43.53
1.007	27.88	6.8	4.62	5.15	70.56	0.16	43.52
1.049	27.88	6.8	4.65	5.17	66.89	0.08	43.52
1.07	27.88	6.8	4.92	5.18	63.85	0.04	43.52
1.095	27.88	6.8	4.88	5.18	64.62	0.06	43.53
1.138	27.88	6.8	4.73	5.17	63.67	0.6	43.53
1.179	27.88	6.8	4.42	5.17	61.0	0.6	43.52
1.215	27.88	6.8	4.77	5.17	57.19	0.47	43.52
1.251	27.88	6.8	4.81	5.16	56.29	0.31	43.53

1.293	27.88	6.8	4.58	5.15	56.99	0.25	43.53
1.342	27.88	6.8	4.65	5.15	56.55	0.32	43.53
1.384	27.88	6.8	4.62	5.14	53.85	0.29	43.52
1.412	27.88	6.8	4.39	5.13	50.76	0.27	43.52
1.438	27.88	6.8	4.42	5.12	50.83	0.28	43.53
1.474	27.88	6.8	4.39	5.11	50.14	0.64	43.53
1.516	27.88	6.8	4.42	5.12	49.18	0.51	43.52
1.542	27.88	6.8	4.35	5.13	47.83	0.37	43.52
1.551	27.88	6.8	4.62	5.13	46.83	0.26	43.53
1.561	27.88	6.8	4.54	5.12	46.06	0.57	43.53
1.589	27.88	6.8	4.58	5.11	47.67	0.64	43.53
1.633	27.88	6.8	4.42	5.1	48.66	0.54	43.53
1.682	27.88	6.8	5.23	5.08	45.46	0.36	43.53
1.738	27.88	6.8	4.81	5.07	43.02	0.63	43.53
1.785	27.88	6.8	5.04	5.05	42.63	0.56	43.52
1.814	27.88	6.8	4.54	5.04	43.17	0.37	43.53
1.839	27.88	6.8	4.46	5.04	44.54	0.24	43.53
1.882	27.88	6.8	4.77	5.05	43.67	1.0	43.53
1.936	27.88	6.8	4.65	5.07	42.41	0.6	43.53
1.984	27.88	6.8	4.58	5.09	39.74	0.3	43.53
2.019	27.88	6.8	4.58	5.1	37.68	0.47	43.53
2.048	27.88	6.8	4.54	5.11	37.35	0.75	43.53
2.069	27.88	6.8	4.54	5.11	37.38	0.43	43.53
2.095	27.88	6.8	4.27	5.11	36.72	0.29	43.53
2.134	27.88	6.8	4.81	5.09	35.21	1.07	43.53
2.177	27.88	6.8	4.88	5.09	33.03	0.55	43.53
2.213	27.88	6.8	4.96	5.07	31.5	0.34	43.53
2.246	27.88	6.8	4.81	5.06	30.67	0.98	43.53
2.288	27.88	6.8	4.88	5.06	29.72	0.93	43.53
2.332	27.88	6.8	4.46	5.07	29.12	0.53	43.53
2.378	27.88	6.8	4.88	5.07	26.64	0.46	43.54
2.423	27.88	6.8	4.92	5.07	25.06	0.94	43.53
2.45	27.88	6.8	4.65	5.08	25.3	0.47	43.53
2.471	27.88	6.8	4.65	5.09	25.07	0.53	43.54
2.512	27.88	6.8	4.62	5.09	23.26	0.6	43.54
2.557	27.88	6.8	4.54	5.1	21.99	0.58	43.53
2.579	27.88	6.8	4.54	5.11	22.16	0.97	43.53
2.592	27.88	6.8	4.5	5.12	22.13	0.89	43.54
2.62	27.88	6.8	4.65	5.15	21.39	0.94	43.54
2.647	27.88	6.8	4.42	5.17	20.65	0.74	43.54
2.673	27.88	6.8	4.5	5.18	19.96	0.97	43.54
2.708	27.88	6.8	4.65	5.18	19.23	0.99	43.54
2.747	27.88	6.8	4.84	5.17	18.57	0.76	43.54
2.781	27.88	6.8	4.65	5.15	17.94	0.87	43.54
2.806	27.88	6.8	4.92	5.13	17.47	0.98	43.54
2.839	27.88	6.8	4.96	5.12	16.6	0.94	43.54
2.889	27.88	6.8	4.81	5.11	15.72	1.06	43.54
2.939	27.88	6.8	4.73	5.11	15.03	0.88	43.54
2.979	27.88	6.8	4.54	5.12	14.51	0.95	43.54
3.019	27.88	6.8	4.62	5.13	14.02	1.14	43.54
3.054	27.88	6.8	4.73	5.14	13.71	0.85	43.54
3.081	27.88	6.8	4.58	5.14	13.29	0.95	43.54
3.112	27.88	6.8	4.73	5.13	12.79	1.03	43.54
3.145	27.88	6.8	4.92	5.12	12.42	0.95	43.54
3.168	27.88	6.8	4.88	5.13	12.28	1.07	43.54
3.182	27.88	6.8	4.58	5.13	12.22	1.17	43.54
3.2	27.88	6.8	4.62	5.14	11.83	0.93	43.54
3.229	27.88	6.8	4.73	5.15	11.5	1.2	43.54

3.261	27.88	6.8	4.96	5.17	11.23	0.89	43.54
3.29	27.88	6.8	4.77	5.17	10.91	1.23	43.54
3.319	27.88	6.8	4.77	5.16	10.69	1.06	43.54
3.348	27.88	6.8	5.04	5.14	10.41	1.14	43.54
3.381	27.88	6.8	4.88	5.12	10.1	1.16	43.54
3.415	27.88	6.8	4.88	5.11	9.84	1.03	43.54
3.442	27.88	6.8	5.26	5.11	9.66	1.19	43.54
3.465	27.88	6.8	4.96	5.1	9.52	1.26	43.54
3.486	27.88	6.8	4.62	5.1	9.36	1.22	43.55
3.508	27.88	6.8	4.92	5.09	9.26	1.15	43.54
3.531	27.88	6.8	4.88	5.1	8.99	1.16	43.54
3.56	27.88	6.8	5.19	5.09	8.77	1.47	43.54
3.592	27.88	6.8	4.96	5.09	8.6	1.1	43.55
3.622	27.88	6.8	5.19	5.08	8.44	1.32	43.55
3.656	27.88	6.8	5.15	5.06	8.29	1.33	43.55
3.69	27.88	6.8	5.04	5.05	8.03	1.22	43.56
3.72	27.88	6.81	4.84	5.03	7.89	1.27	43.58
3.74	27.88	6.81	4.96	5.01	7.85	1.24	43.58
3.76	27.87	6.81	4.92	5.0	7.74	1.32	43.59
3.787	27.87	6.81	5.07	4.99	7.59	1.48	43.6
3.824	27.87	6.81	5.15	4.99	7.41	1.26	43.6
3.863	27.87	6.81	5.38	4.99	7.21	1.44	43.6
3.905	27.87	6.81	5.15	4.98	7.02	1.29	43.6
3.949	27.87	6.81	4.88	4.95	6.84	1.2	43.6
3.988	27.87	6.81	4.84	4.89	6.76	1.16	43.61
4.024	27.87	6.81	4.92	4.82	6.6	1.36	43.62
4.057	27.87	6.81	4.92	4.74	6.51	1.57	43.62
4.087	27.87	6.81	4.96	4.63	6.4	1.08	43.62
4.127	27.87	6.81	4.96	4.49	6.25	1.74	43.63
4.176	27.87	6.81	5.07	4.35	6.13	1.34	43.63
4.216	27.87	6.81	5.11	4.23	6.04	1.1	43.63
4.25	27.87	6.81	4.77	4.11	5.95	1.41	43.63
4.281	27.88	6.81	4.81	4.0	5.86	0.73	43.64
4.315	27.88	6.81	4.84	3.9	5.78	11.78	43.64
4.355	27.88	6.81	4.73	3.79	5.68	16.25	43.64
4.385	27.88	6.81	4.96	3.69	5.65	19.58	43.63
4.408	27.88	6.81	4.81	3.58	5.59	21.97	43.63
4.436	27.88	6.81	4.92	3.47	5.5	18.59	43.63
4.475	27.88	6.81	5.04	3.37	5.47	19.38	43.63
4.517	27.88	6.81	5.04	3.29	5.4	21.5	43.63
4.553	27.88	6.81	4.84	3.23	5.33	20.1	43.63
4.584	27.88	6.81	4.65	3.18	5.32	21.14	43.63
4.616	27.88	6.81	4.84	3.14	5.24	20.06	43.64
4.659	27.88	6.81	5.26	3.12	5.11	9.81	43.64
4.713	27.88	6.81	5.46	3.11	5.05	7.14	43.64
4.752	27.88	6.81	5.19	3.1	5.04	17.5	43.63
4.771	27.88	6.81	5.38	3.09	4.99	13.09	43.63
4.783	27.88	6.81	5.46	3.08	4.98	19.02	43.64
4.81	27.88	6.82	5.34	3.06	4.91	19.65	43.64
4.845	27.88	6.81	5.53	3.05	4.9	20.11	43.64
4.865	27.88	6.81	5.65	3.04	4.79	7.69	43.63
4.869	27.88	6.81	5.49	3.03	4.78	17.48	43.63
4.873	27.88	6.81	5.8	3.01	4.85	21.57	43.64
4.877	27.88	6.81	5.95	2.99	4.89	22.65	43.64
4.878	27.88	6.81	5.88	2.98	4.88	22.67	43.64



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m⁻²)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	27.76	6.8	0.23	2.6	4.0	0.04	43.61
PROF (metros)	0.448	0.333	0.333	4.358	5.238	0.439	0.422
MÁXIMO	27.77	27.77	6.79	3.0	3013.8	11.13	43.63
PROF (metros)	0.333	0.333	0.395	0.408	0.333	4.022	0.339

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	27.77	6.8	4.81	2.77	466.46	2.36	43.62
1 - 2m	27.77	6.8	5.56	2.69	45.33	0.34	43.62
2 - 3m	27.77	6.8	5.52	2.84	20.92	0.54	43.62
3 - 4m	27.77	6.8	5.61	2.89	7.37	3.13	43.62
4 - 5m	27.77	6.8	5.44	2.71	4.56	8.94	43.62
5 - 6m	27.76	6.8	5.29	2.93	4.03	6.87	43.62

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.77, 2.69, 2.84, 2.89, 2.71, 2.93 respectivamente.

CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.36, 3.13, 8.94, 6.87 respectivamente

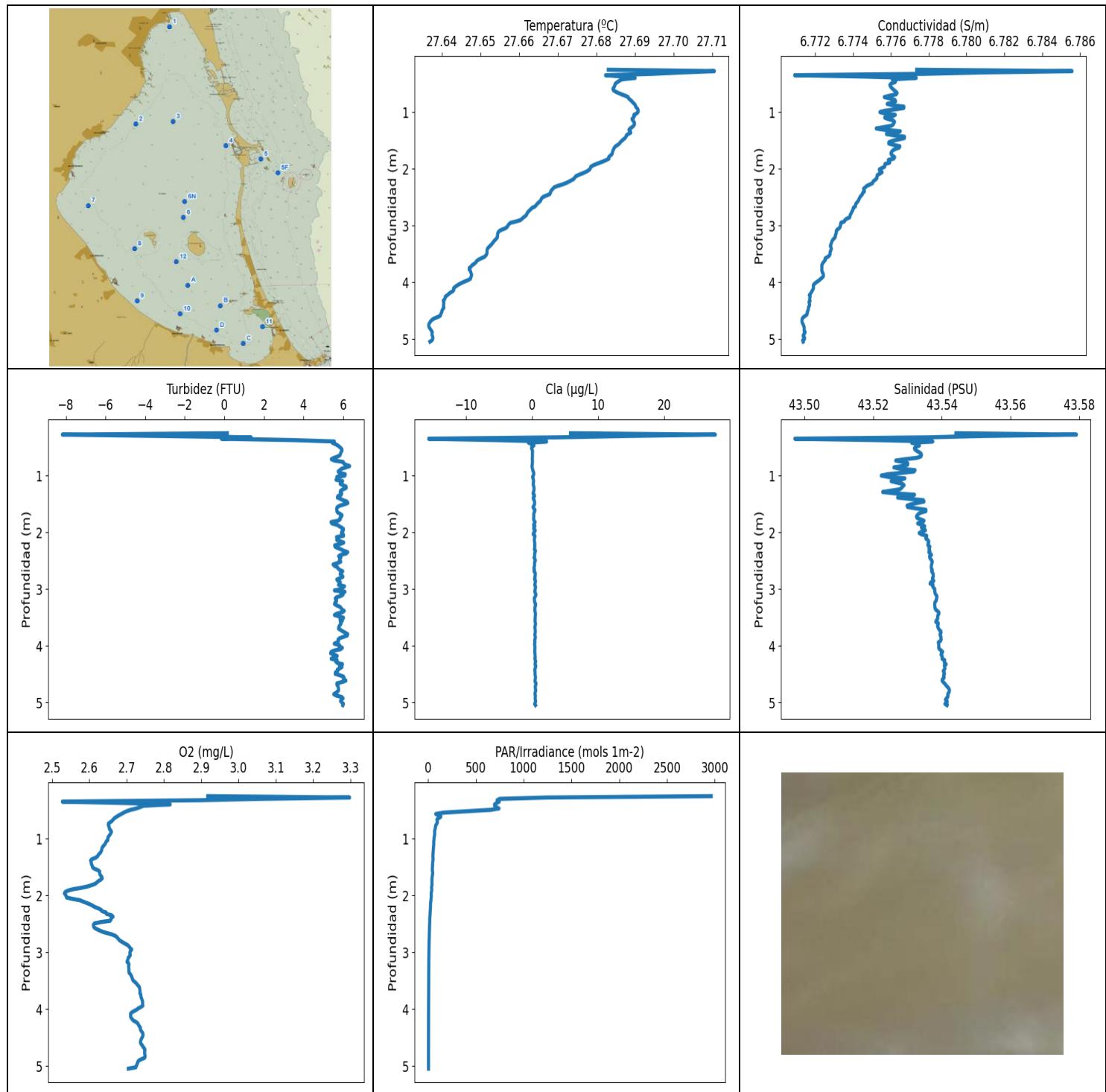
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.333	27.77	6.8	0.23	2.99	3013.8	7.31	43.62
0.339	27.77	6.8	0.23	2.98	1263.7	7.52	43.63
0.365	27.77	6.8	2.48	2.98	734.18	7.47	43.62
0.395	27.77	6.8	6.79	2.98	707.13	7.64	43.62
0.408	27.77	6.8	5.91	3.0	685.03	6.83	43.62
0.412	27.77	6.8	5.53	2.97	672.91	6.54	43.62
0.422	27.77	6.8	4.84	2.9	649.31	7.06	43.61
0.438	27.77	6.8	5.11	2.83	638.57	0.31	43.61
0.439	27.77	6.8	4.73	2.73	645.71	0.04	43.62
0.448	27.76	6.8	5.61	2.7	631.06	0.09	43.62
0.509	27.76	6.8	4.58	2.67	181.35	0.08	43.62
0.576	27.76	6.8	5.11	2.66	119.16	0.06	43.61
0.631	27.76	6.8	5.57	2.63	100.26	0.1	43.61
0.656	27.76	6.8	5.23	2.62	103.81	0.09	43.62
0.692	27.77	6.8	5.46	2.62	81.92	0.45	43.62
0.779	27.77	6.8	5.46	2.63	72.14	0.49	43.62
0.848	27.77	6.8	5.49	2.64	69.78	0.21	43.61
0.862	27.77	6.8	5.23	2.65	60.44	0.16	43.61
0.865	27.77	6.8	5.72	2.67	63.2	0.24	43.62
0.906	27.77	6.8	5.3	2.69	61.83	0.23	43.62
0.955	27.77	6.8	5.26	2.71	56.85	0.43	43.61
0.967	27.77	6.8	5.57	2.76	61.33	0.19	43.62
0.978	27.77	6.8	5.3	2.78	55.16	0.63	43.62
1.014	27.77	6.8	5.84	2.79	55.84	0.44	43.62
1.044	27.77	6.8	5.49	2.79	56.35	0.21	43.62
1.048	27.77	6.8	5.3	2.79	56.67	0.12	43.62
1.05	27.77	6.8	5.34	2.78	57.74	0.4	43.62
1.086	27.77	6.8	5.88	2.76	53.9	0.57	43.62
1.146	27.77	6.8	5.53	2.73	51.15	0.33	43.62
1.186	27.77	6.8	5.34	2.71	50.23	0.21	43.61
1.2	27.77	6.8	5.46	2.69	48.54	0.13	43.62

1.226	27.77	6.8	5.72	2.67	47.96	0.59	43.62
1.266	27.77	6.8	5.26	2.66	48.56	0.29	43.62
1.295	27.77	6.8	5.65	2.65	46.05	0.14	43.62
1.313	27.77	6.8	5.46	2.64	45.47	0.35	43.62
1.339	27.77	6.8	5.42	2.64	45.59	0.42	43.62
1.382	27.77	6.8	5.84	2.64	45.41	0.33	43.62
1.421	27.77	6.8	5.26	2.65	44.59	0.35	43.62
1.445	27.77	6.8	5.65	2.65	44.55	0.27	43.62
1.468	27.77	6.8	5.49	2.65	42.75	0.39	43.62
1.497	27.77	6.8	5.91	2.65	41.88	0.29	43.62
1.532	27.77	6.8	5.57	2.65	42.3	0.38	43.62
1.567	27.77	6.8	6.07	2.65	42.24	0.31	43.62
1.594	27.77	6.8	5.46	2.65	41.1	0.29	43.62
1.611	27.77	6.8	5.53	2.65	43.74	0.36	43.62
1.63	27.77	6.8	5.49	2.66	41.83	0.33	43.62
1.656	27.77	6.8	5.68	2.66	39.7	0.37	43.62
1.699	27.77	6.8	5.8	2.66	40.42	0.44	43.62
1.757	27.77	6.8	5.26	2.67	40.95	0.44	43.62
1.807	27.77	6.8	5.84	2.68	39.39	0.28	43.62
1.846	27.77	6.8	5.61	2.7	40.16	0.36	43.62
1.888	27.77	6.8	5.61	2.72	37.41	0.37	43.62
1.943	27.77	6.8	5.49	2.74	36.91	0.52	43.62
1.989	27.77	6.8	5.07	2.75	35.96	0.29	43.62
2.013	27.77	6.8	5.04	2.75	34.94	0.39	43.62
2.035	27.77	6.8	5.65	2.76	32.92	0.47	43.62
2.076	27.77	6.8	5.57	2.77	32.5	0.56	43.62
2.127	27.77	6.8	5.38	2.78	31.77	0.48	43.62
2.16	27.77	6.8	5.23	2.79	32.34	0.41	43.62
2.182	27.77	6.8	5.26	2.8	29.03	0.48	43.62
2.221	27.77	6.8	5.68	2.81	26.49	0.53	43.62
2.279	27.77	6.8	5.3	2.82	25.0	0.52	43.62
2.337	27.77	6.8	5.19	2.82	23.61	0.48	43.62
2.376	27.77	6.8	5.26	2.83	23.19	0.43	43.62
2.39	27.77	6.8	5.3	2.84	23.66	0.49	43.62
2.396	27.77	6.8	5.53	2.84	22.57	0.5	43.62
2.423	27.77	6.8	5.72	2.84	21.51	0.63	43.62
2.472	27.77	6.8	5.68	2.85	20.6	0.56	43.62
2.519	27.77	6.8	5.84	2.86	18.52	0.55	43.62
2.577	27.77	6.8	5.42	2.86	16.92	0.64	43.62
2.645	27.77	6.8	5.88	2.87	15.95	0.58	43.62
2.692	27.77	6.8	5.84	2.87	15.42	0.49	43.62
2.703	27.77	6.8	5.53	2.87	15.4	0.46	43.62
2.713	27.77	6.8	5.38	2.87	15.07	0.56	43.62
2.75	27.77	6.8	5.53	2.87	14.27	0.64	43.62
2.798	27.77	6.8	5.23	2.87	13.44	0.56	43.62
2.837	27.77	6.8	6.1	2.87	12.9	0.63	43.62
2.864	27.77	6.8	5.76	2.87	12.52	0.61	43.62
2.895	27.77	6.8	5.8	2.87	11.85	0.64	43.62
2.944	27.77	6.8	5.68	2.87	11.23	0.72	43.62
2.984	27.77	6.8	5.3	2.87	11.08	0.63	43.62
3.002	27.77	6.8	5.23	2.87	10.88	0.58	43.62
3.021	27.77	6.8	5.65	2.88	10.46	0.75	43.62
3.059	27.77	6.8	5.88	2.88	9.95	0.73	43.62
3.096	27.77	6.8	6.22	2.88	9.83	0.7	43.62
3.122	27.77	6.8	5.84	2.88	9.64	0.69	43.62
3.147	27.77	6.8	5.42	2.88	9.21	0.72	43.62
3.173	27.77	6.8	5.3	2.88	8.99	0.66	43.62
3.21	27.77	6.8	5.68	2.88	8.55	0.74	43.62

3.26	27.77	6.8	5.76	2.88	8.27	0.76	43.62
3.293	27.77	6.8	5.3	2.89	8.23	0.62	43.62
3.306	27.77	6.8	6.22	2.89	8.14	0.65	43.62
3.319	27.77	6.8	5.95	2.89	7.86	0.75	43.62
3.362	27.77	6.8	5.61	2.89	7.41	0.79	43.62
3.43	27.77	6.8	5.61	2.89	7.04	0.73	43.62
3.482	27.77	6.8	5.49	2.9	6.99	0.66	43.62
3.496	27.77	6.8	5.11	2.9	7.0	0.56	43.62
3.508	27.77	6.8	5.49	2.9	6.79	0.77	43.62
3.548	27.77	6.8	5.46	2.9	6.56	0.78	43.62
3.589	27.77	6.8	6.07	2.9	6.44	0.68	43.62
3.62	27.77	6.8	5.72	2.9	6.27	0.69	43.62
3.667	27.77	6.8	5.38	2.89	6.02	0.36	43.62
3.712	27.77	6.8	5.34	2.9	5.95	5.24	43.62
3.732	27.77	6.8	5.8	2.89	5.95	7.07	43.62
3.753	27.77	6.8	5.57	2.89	5.86	7.21	43.62
3.792	27.77	6.8	5.61	2.9	5.71	10.54	43.62
3.835	27.77	6.8	5.57	2.9	5.58	10.17	43.62
3.872	27.77	6.8	5.57	2.91	5.49	10.24	43.62
3.904	27.77	6.8	5.68	2.89	5.41	9.84	43.62
3.934	27.77	6.8	5.34	2.88	5.32	8.84	43.62
3.976	27.77	6.8	5.53	2.85	5.2	10.36	43.62
4.022	27.77	6.8	5.23	2.82	5.1	11.13	43.62
4.048	27.77	6.8	5.15	2.79	5.12	10.97	43.62
4.054	27.77	6.8	5.72	2.75	5.12	9.98	43.62
4.068	27.77	6.8	5.42	2.72	5.08	8.84	43.62
4.107	27.77	6.8	5.53	2.69	4.97	10.32	43.62
4.153	27.77	6.8	5.57	2.67	4.9	10.94	43.62
4.179	27.77	6.8	5.38	2.66	4.9	10.24	43.62
4.198	27.77	6.8	5.38	2.64	4.83	9.66	43.62
4.237	27.77	6.8	5.72	2.63	4.76	10.72	43.62
4.281	27.77	6.8	5.23	2.62	4.71	10.68	43.62
4.289	27.77	6.8	5.8	2.61	4.73	8.95	43.62
4.304	27.77	6.8	5.8	2.61	4.66	8.58	43.62
4.358	27.77	6.8	5.61	2.6	4.6	9.12	43.62
4.409	27.77	6.8	5.23	2.6	4.55	10.3	43.62
4.44	27.76	6.8	5.46	2.61	4.53	8.7	43.62
4.473	27.77	6.8	5.3	2.6	4.46	8.64	43.62
4.525	27.77	6.8	5.68	2.62	4.41	8.51	43.62
4.575	27.76	6.8	5.11	2.64	4.37	9.02	43.62
4.593	27.77	6.8	5.26	2.69	4.38	7.31	43.62
4.62	27.77	6.8	5.46	2.72	4.32	7.7	43.62
4.68	27.77	6.8	5.65	2.74	4.28	8.17	43.62
4.732	27.77	6.8	5.38	2.77	4.26	8.26	43.62
4.771	27.77	6.8	5.3	2.79	4.25	7.78	43.62
4.8	27.77	6.8	5.26	2.82	4.24	7.38	43.62
4.833	27.77	6.8	5.07	2.83	4.2	7.47	43.62
4.872	27.77	6.8	5.26	2.85	4.18	7.96	43.62
4.915	27.77	6.8	5.46	2.85	4.14	7.36	43.62
4.956	27.77	6.8	5.68	2.86	4.14	7.41	43.62
4.995	27.77	6.8	5.53	2.87	4.12	7.08	43.62
5.029	27.77	6.8	5.76	2.88	4.12	7.32	43.62
5.058	27.77	6.8	5.76	2.89	4.08	7.63	43.62
5.105	27.76	6.8	5.53	2.9	4.07	7.31	43.63
5.16	27.77	6.8	5.57	2.91	4.05	7.49	43.62
5.204	27.77	6.8	5.23	2.92	4.01	7.36	43.62
5.238	27.77	6.8	5.07	2.93	4.0	7.36	43.62
5.254	27.77	6.8	5.23	2.94	4.02	6.94	43.62

5.255	27.76	6.8	5.07	2.94	4.03	7.02	43.63
5.257	27.77	6.8	5.04	2.95	4.01	6.67	43.62
5.262	27.76	6.8	4.88	2.95	4.0	6.63	43.62
5.266	27.76	6.8	5.07	2.95	4.02	7.07	43.62
5.267	27.76	6.8	5.26	2.96	4.03	6.76	43.63
5.268	27.76	6.8	5.3	2.97	4.02	6.59	43.62
5.269	27.76	6.8	5.34	2.97	4.03	4.07	43.62



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	27.64	6.77	0.08	2.53	4.03	-0.02	43.52
PROF (metros)	4.045	2.264	0.311	1.954	5.003	0.831	0.995
MÁXIMO	27.7	27.7	6.37	2.92	2963.3	6.08	43.54
PROF (metros)	0.311	0.251	3.056	0.251	0.251	0.311	0.251

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	27.69	6.78	4.5	2.73	461.31	1.06	43.53
1 - 2m	27.69	6.78	5.83	2.61	47.11	0.26	43.53
2 - 3m	27.67	6.77	5.85	2.64	17.68	0.39	43.54
3 - 4m	27.65	6.77	5.86	2.72	6.18	0.44	43.54
4 - 5m	27.64	6.77	5.75	2.73	4.33	0.46	43.54
5 - 6m	27.64	6.77	5.91	2.72	4.06	0.47	43.54

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.73, 2.61, 2.64, 2.72, 2.73, 2.72 respectivamente.

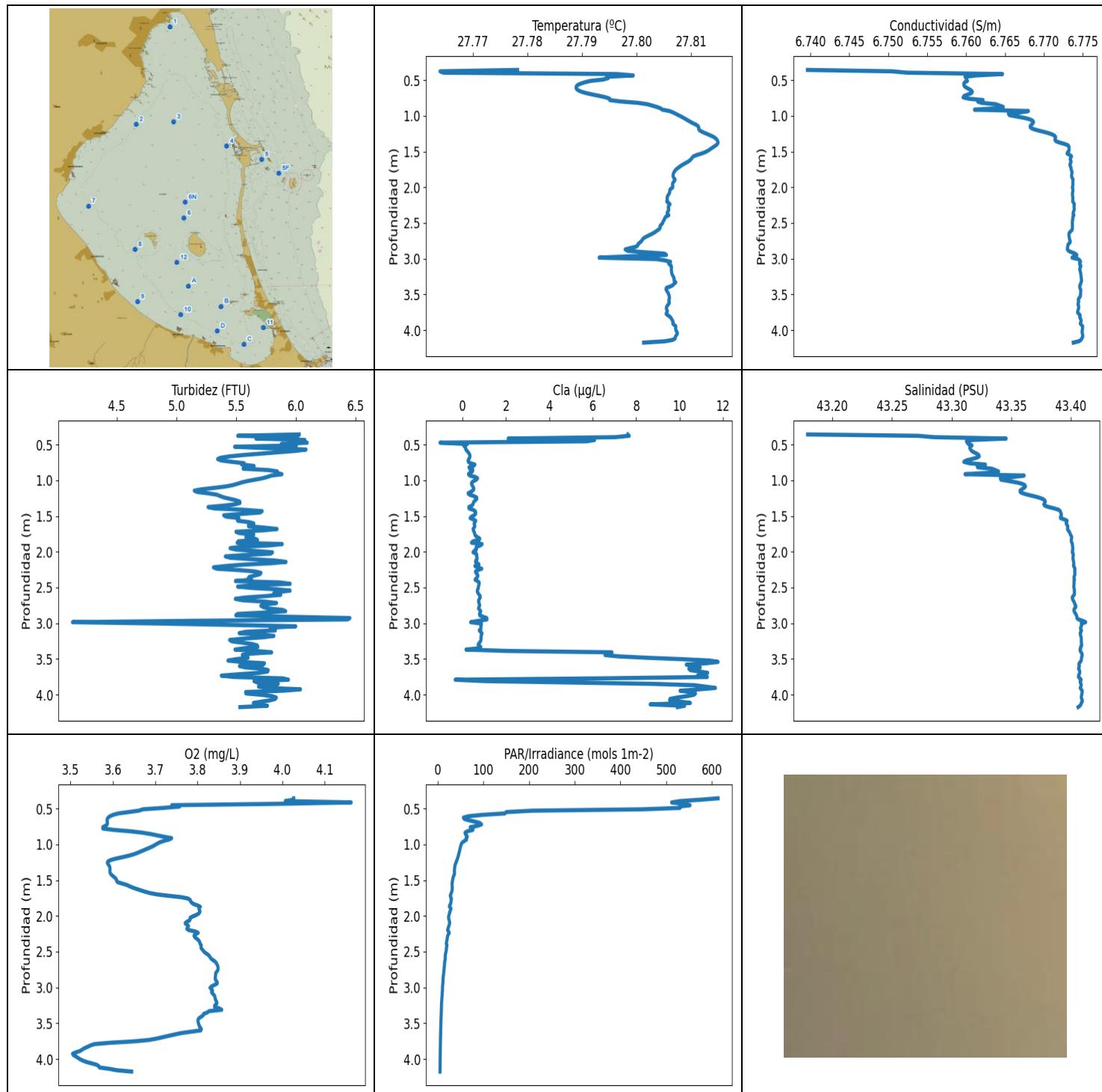
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.251	27.68	6.78	0.15	2.92	2963.3	5.81	43.54
0.311	27.7	6.78	0.08	2.92	723.04	6.08	43.54
0.326	27.7	6.78	1.18	2.91	714.87	4.76	43.54
0.331	27.7	6.78	0.46	2.91	704.35	4.16	43.54
0.333	27.69	6.78	0.15	2.84	711.9	0.35	43.53
0.381	27.69	6.78	4.77	2.79	704.51	0.11	43.53
0.411	27.69	6.78	5.49	2.77	696.23	0.07	43.53
0.443	27.69	6.78	5.61	2.74	709.59	0.08	43.53
0.484	27.69	6.78	5.8	2.72	707.45	0.03	43.53
0.545	27.68	6.78	5.95	2.69	137.23	0.02	43.53
0.603	27.68	6.78	5.88	2.68	129.77	0.04	43.53
0.651	27.69	6.78	5.8	2.67	97.31	0.05	43.53
0.697	27.69	6.78	5.46	2.66	97.22	0.02	43.53
0.731	27.69	6.78	5.53	2.65	93.42	0.04	43.53
0.759	27.69	6.78	6.03	2.65	81.41	0.04	43.53
0.793	27.69	6.78	6.03	2.65	76.79	0.03	43.53
0.831	27.69	6.78	6.33	2.65	73.73	-0.02	43.53
0.863	27.69	6.78	6.03	2.66	68.38	0.02	43.53
0.902	27.69	6.78	5.84	2.66	68.81	0.1	43.53
0.953	27.69	6.78	5.84	2.65	66.14	0.25	43.53
0.995	27.69	6.78	6.14	2.65	61.95	0.18	43.52
1.023	27.69	6.78	5.68	2.65	62.1	0.06	43.52
1.041	27.69	6.78	5.84	2.65	58.73	0.13	43.53
1.062	27.69	6.78	5.57	2.64	58.93	0.17	43.53
1.085	27.69	6.78	5.91	2.64	59.71	0.22	43.53
1.111	27.69	6.78	5.91	2.64	58.34	0.21	43.53
1.149	27.69	6.78	5.88	2.63	56.47	0.16	43.53
1.2	27.69	6.78	6.18	2.63	54.56	0.27	43.53
1.255	27.69	6.78	5.91	2.63	51.83	0.27	43.53
1.296	27.69	6.78	5.88	2.62	50.59	0.18	43.52
1.322	27.69	6.78	5.95	2.62	50.09	0.17	43.53
1.347	27.69	6.78	5.84	2.61	51.72	0.4	43.53

1.373	27.69	6.78	5.68	2.6	51.87	0.24	43.53
1.398	27.69	6.78	5.8	2.6	48.92	0.16	43.53
1.43	27.69	6.78	5.99	2.6	47.58	0.3	43.53
1.475	27.69	6.78	6.26	2.61	46.44	0.38	43.53
1.524	27.69	6.78	5.88	2.61	44.61	0.29	43.53
1.564	27.69	6.78	5.68	2.63	44.44	0.13	43.53
1.6	27.68	6.78	5.68	2.63	47.78	0.42	43.54
1.647	27.68	6.78	5.72	2.63	44.64	0.3	43.53
1.7	27.68	6.78	5.95	2.63	40.55	0.25	43.53
1.752	27.68	6.78	5.84	2.62	40.38	0.23	43.53
1.793	27.68	6.78	5.76	2.62	41.01	0.29	43.53
1.825	27.68	6.78	5.34	2.6	40.17	0.45	43.53
1.853	27.68	6.78	5.57	2.59	35.78	0.24	43.53
1.877	27.68	6.78	5.76	2.57	37.53	0.29	43.54
1.899	27.68	6.78	5.84	2.55	38.65	0.44	43.53
1.92	27.68	6.78	5.95	2.54	36.87	0.18	43.53
1.954	27.68	6.78	6.03	2.53	32.91	0.42	43.54
1.999	27.68	6.78	5.91	2.54	32.98	0.3	43.53
2.037	27.68	6.78	6.03	2.54	32.41	0.19	43.53
2.059	27.68	6.78	6.03	2.55	30.39	0.42	43.54
2.073	27.68	6.78	5.72	2.57	31.28	0.44	43.54
2.098	27.68	6.78	5.76	2.58	28.81	0.36	43.54
2.135	27.67	6.78	5.68	2.59	25.86	0.34	43.54
2.175	27.67	6.78	6.03	2.61	25.13	0.38	43.54
2.209	27.67	6.78	5.8	2.62	24.93	0.4	43.54
2.236	27.67	6.78	5.53	2.63	24.13	0.37	43.54
2.264	27.67	6.77	5.68	2.63	22.56	0.43	43.54
2.289	27.67	6.77	5.8	2.64	21.85	0.32	43.54
2.305	27.67	6.77	5.95	2.65	21.51	0.37	43.54
2.324	27.67	6.77	6.03	2.65	21.13	0.51	43.54
2.353	27.67	6.77	6.26	2.66	20.1	0.42	43.54
2.393	27.67	6.77	5.91	2.66	17.67	0.38	43.54
2.429	27.67	6.77	5.8	2.66	17.13	0.36	43.54
2.454	27.67	6.77	5.91	2.65	17.49	0.29	43.54
2.469	27.67	6.77	5.84	2.63	17.5	0.42	43.54
2.488	27.67	6.77	5.8	2.62	16.22	0.5	43.54
2.522	27.67	6.77	5.88	2.61	15.32	0.38	43.54
2.566	27.67	6.77	5.49	2.61	14.55	0.38	43.54
2.607	27.66	6.77	5.68	2.62	14.22	0.32	43.54
2.641	27.66	6.77	5.76	2.64	13.2	0.28	43.54
2.668	27.66	6.77	5.88	2.65	12.73	0.36	43.54
2.689	27.66	6.77	5.99	2.66	12.75	0.28	43.54
2.711	27.66	6.77	5.88	2.67	12.45	0.46	43.54
2.751	27.66	6.77	5.91	2.68	11.29	0.45	43.54
2.794	27.66	6.77	5.95	2.68	10.78	0.43	43.54
2.821	27.66	6.77	5.72	2.69	10.66	0.34	43.54
2.851	27.66	6.77	5.72	2.7	10.21	0.51	43.54
2.89	27.66	6.77	5.88	2.71	9.69	0.45	43.54
2.921	27.66	6.77	5.76	2.71	9.45	0.42	43.54
2.934	27.66	6.77	5.84	2.71	9.47	0.39	43.54
2.945	27.66	6.77	6.03	2.71	9.35	0.47	43.54
2.972	27.66	6.77	5.99	2.71	8.91	0.53	43.54
3.009	27.66	6.77	5.84	2.71	8.55	0.43	43.54
3.039	27.66	6.77	5.68	2.71	8.41	0.41	43.54
3.056	27.66	6.77	6.37	2.71	8.36	0.41	43.54
3.069	27.66	6.77	5.95	2.71	8.19	0.48	43.54
3.094	27.65	6.77	5.99	2.7	7.91	0.57	43.54
3.132	27.65	6.77	5.76	2.7	7.68	0.46	43.54

3.17	27.65	6.77	5.61	2.7	7.44	0.32	43.54
3.199	27.65	6.77	5.68	2.71	7.33	0.37	43.54
3.223	27.65	6.77	5.65	2.71	7.12	0.36	43.54
3.265	27.65	6.77	5.57	2.71	6.8	0.53	43.54
3.32	27.65	6.77	5.88	2.71	6.57	0.43	43.54
3.362	27.65	6.77	5.95	2.71	6.44	0.41	43.54
3.39	27.65	6.77	6.07	2.71	6.31	0.42	43.54
3.423	27.65	6.77	5.8	2.71	6.14	0.5	43.54
3.466	27.65	6.77	5.61	2.72	5.98	0.49	43.54
3.503	27.65	6.77	6.03	2.72	5.87	0.46	43.54
3.533	27.65	6.77	5.84	2.72	5.77	0.46	43.54
3.56	27.65	6.77	5.99	2.73	5.69	0.43	43.54
3.582	27.65	6.77	5.84	2.73	5.64	0.46	43.54
3.604	27.65	6.77	5.91	2.73	5.57	0.51	43.54
3.634	27.65	6.77	5.84	2.73	5.48	0.49	43.54
3.665	27.65	6.77	5.8	2.74	5.41	0.41	43.54
3.692	27.65	6.77	5.76	2.74	5.34	0.43	43.54
3.721	27.65	6.77	5.88	2.74	5.27	0.46	43.54
3.754	27.65	6.77	6.03	2.74	5.2	0.48	43.54
3.783	27.65	6.77	6.18	2.74	5.14	0.44	43.54
3.804	27.65	6.77	6.26	2.74	5.1	0.4	43.54
3.833	27.65	6.77	6.1	2.74	5.02	0.47	43.54
3.871	27.65	6.77	5.8	2.74	4.93	0.47	43.54
3.91	27.65	6.77	5.76	2.74	4.9	0.38	43.54
3.937	27.65	6.77	5.72	2.74	4.86	0.43	43.54
3.958	27.65	6.77	5.53	2.74	4.82	0.38	43.54
3.983	27.65	6.77	5.8	2.73	4.77	0.37	43.54
4.011	27.65	6.77	5.8	2.73	4.74	0.43	43.54
4.045	27.64	6.77	5.99	2.72	4.68	0.41	43.54
4.082	27.64	6.77	5.57	2.71	4.66	0.41	43.54
4.115	27.64	6.77	5.38	2.71	4.6	0.38	43.54
4.142	27.64	6.77	5.42	2.71	4.56	0.44	43.54
4.172	27.64	6.77	5.68	2.71	4.53	0.43	43.54
4.204	27.64	6.77	5.57	2.72	4.52	0.47	43.54
4.232	27.64	6.77	5.42	2.73	4.49	0.41	43.54
4.261	27.64	6.77	5.76	2.73	4.44	0.51	43.54
4.294	27.64	6.77	5.57	2.73	4.42	0.51	43.54
4.315	27.64	6.77	5.99	2.74	4.42	0.42	43.54
4.337	27.64	6.77	5.84	2.74	4.4	0.5	43.54
4.375	27.64	6.77	5.95	2.74	4.35	0.53	43.54
4.416	27.64	6.77	5.72	2.74	4.34	0.4	43.54
4.45	27.64	6.77	5.72	2.74	4.29	0.44	43.54
4.483	27.64	6.77	5.57	2.74	4.29	0.44	43.54
4.52	27.64	6.77	5.84	2.74	4.25	0.46	43.54
4.559	27.64	6.77	6.07	2.74	4.22	0.51	43.54
4.594	27.64	6.77	6.03	2.74	4.23	0.46	43.54
4.62	27.64	6.77	6.14	2.74	4.22	0.43	43.54
4.641	27.64	6.77	5.91	2.74	4.2	0.47	43.54
4.664	27.64	6.77	5.68	2.74	4.19	0.59	43.54
4.697	27.64	6.77	5.72	2.75	4.18	0.52	43.54
4.743	27.64	6.77	5.76	2.75	4.16	0.48	43.54
4.795	27.64	6.77	5.76	2.75	4.12	0.53	43.54
4.835	27.64	6.77	5.61	2.75	4.12	0.43	43.54
4.857	27.64	6.77	5.53	2.75	4.09	0.44	43.54
4.877	27.64	6.77	5.65	2.74	4.1	0.49	43.54
4.911	27.64	6.77	5.99	2.73	4.1	0.47	43.54
4.958	27.64	6.77	5.88	2.73	4.06	0.49	43.54
5.003	27.64	6.77	5.95	2.73	4.03	0.48	43.54

5.026	27.64	6.77	6.03	2.72	4.06	0.39	43.54
5.034	27.64	6.77	5.95	2.72	4.06	0.45	43.54
5.04	27.64	6.77	5.61	2.72	4.06	0.46	43.54
5.043	27.64	6.77	5.72	2.72	4.08	0.46	43.54
5.046	27.64	6.77	6.18	2.71	4.06	0.55	43.54
5.047	27.64	6.77	5.84	2.7	4.08	0.47	43.54
5.048	27.64	6.77	5.99	2.7	4.09	0.5	43.54



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cl] (mg/m³)	Salinity (PSU)
MÍNIMO	27.76	6.74	5.15	3.5	4.97	0.13	43.18
PROF (metros)	0.378	0.358	1.155	3.93	4.163	0.534	0.358
MÁXIMO	27.81	27.81	6.14	4.04	613.75	11.71	43.41
PROF (metros)	0.919	0.925	0.466	0.433	0.358	3.531	2.963

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	27.79	6.76	5.81	3.75	265.81	2.02	43.31
1 - 2m	27.81	6.77	5.52	3.68	33.84	0.52	43.39
2 - 3m	27.8	6.77	5.67	3.82	17.8	0.72	43.4
3 - 4m	27.81	6.77	5.68	3.73	7.18	5.94	43.41
4 - 5m	27.8	6.77	5.71	3.61	5.04	9.93	43.41

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m con los valores 3.75, 3.68, 3.82, 3.73, 3.61 respectivamente.

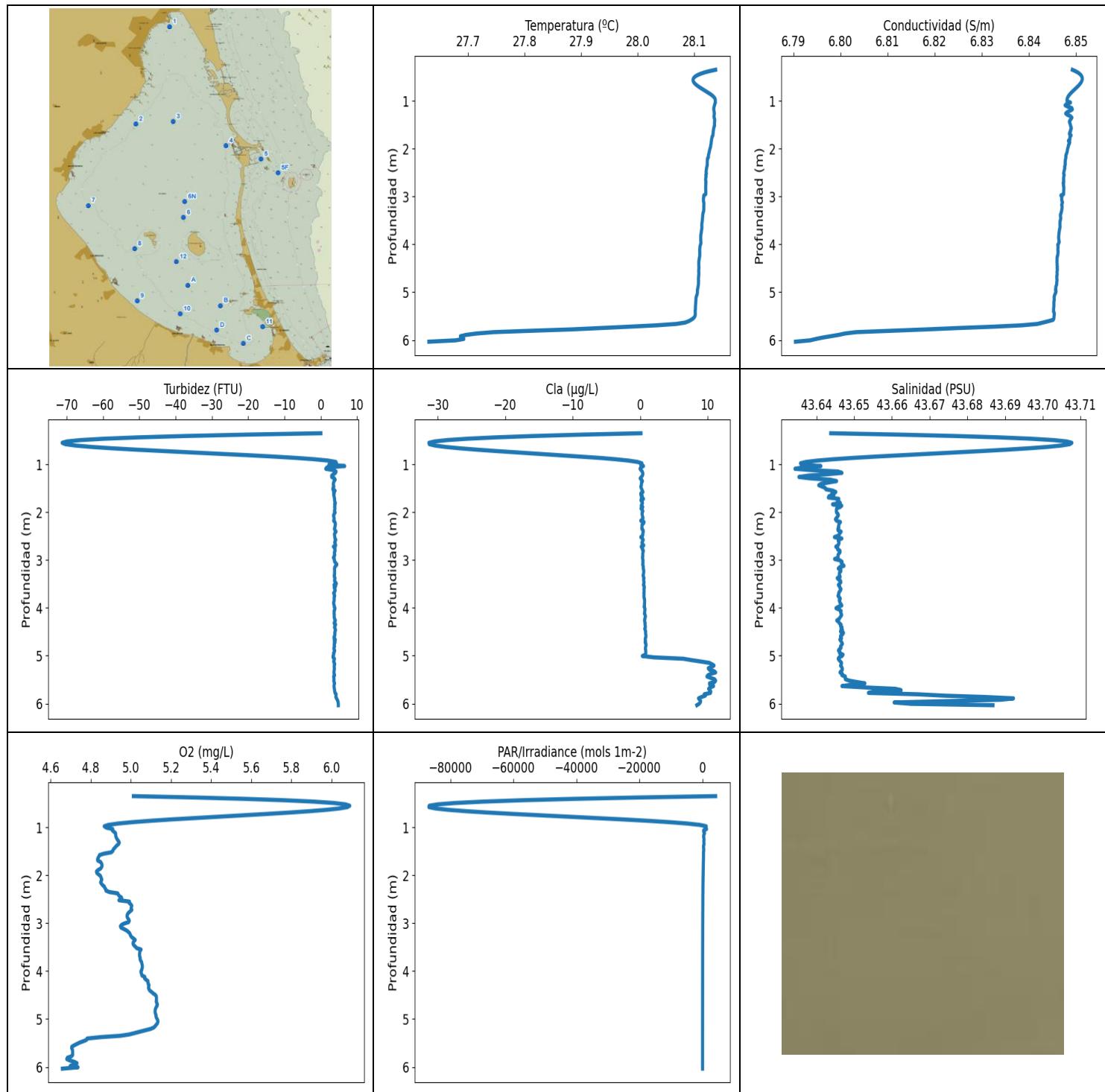
CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 3 - 4m, 4 - 5m con los valores 2.02, 5.94, 9.93 respectivamente

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.358	27.78	6.74	6.03	4.03	613.75	7.61	43.18
0.378	27.76	6.75	5.53	4.02	573.86	7.71	43.27
0.399	27.77	6.75	6.03	4.02	525.96	6.53	43.29
0.433	27.8	6.76	5.95	4.04	534.32	4.91	43.33
0.436	27.8	6.76	6.1	3.96	542.68	6.94	43.31
0.437	27.8	6.76	6.07	3.93	545.71	7.49	43.31
0.466	27.79	6.76	6.14	3.75	535.06	0.21	43.31
0.492	27.79	6.76	5.88	3.72	530.25	0.21	43.31
0.505	27.79	6.76	6.07	3.68	505.17	0.17	43.32
0.534	27.79	6.76	5.46	3.66	178.19	0.13	43.32
0.557	27.79	6.76	5.95	3.63	157.99	0.15	43.32
0.584	27.79	6.76	6.03	3.6	108.94	0.2	43.32
0.681	27.79	6.76	5.38	3.59	79.58	0.33	43.32
0.74	27.79	6.76	5.46	3.58	88.22	0.27	43.31
0.763	27.8	6.76	5.57	3.58	70.62	0.39	43.32
0.79	27.8	6.76	5.57	3.59	80.41	0.6	43.33
0.807	27.8	6.76	5.68	3.62	71.31	0.4	43.32
0.824	27.8	6.76	5.53	3.65	62.59	0.28	43.33
0.86	27.8	6.76	5.8	3.69	60.86	0.49	43.34
0.9	27.8	6.76	5.84	3.73	64.24	0.3	43.33
0.919	27.8	6.76	5.88	3.74	62.2	0.27	43.32
0.925	27.81	6.77	5.84	3.74	63.2	0.27	43.34
0.953	27.81	6.77	5.76	3.72	58.41	0.6	43.35
1.019	27.81	6.77	5.57	3.7	50.44	0.47	43.35
1.094	27.81	6.77	5.38	3.67	47.71	0.5	43.36
1.155	27.81	6.77	5.15	3.64	45.25	0.42	43.36
1.19	27.81	6.77	5.3	3.61	43.77	0.26	43.36
1.23	27.81	6.77	5.38	3.59	41.37	0.6	43.37
1.299	27.81	6.77	5.53	3.59	37.71	0.52	43.38
1.357	27.81	6.77	5.38	3.59	36.64	0.41	43.38
1.387	27.81	6.77	5.26	3.59	36.6	0.27	43.38
1.41	27.81	6.77	5.53	3.59	36.69	0.47	43.39
1.446	27.81	6.77	5.72	3.6	34.53	0.61	43.39

1.497	27.81	6.77	5.38	3.61	32.69	0.49	43.39
1.531	27.81	6.77	5.53	3.61	31.66	0.36	43.39
1.557	27.81	6.77	5.49	3.63	31.36	0.58	43.4
1.596	27.81	6.77	5.65	3.64	31.81	0.54	43.4
1.644	27.81	6.77	5.61	3.67	31.31	0.57	43.4
1.686	27.81	6.77	5.84	3.69	29.38	0.49	43.4
1.713	27.81	6.77	5.57	3.72	27.73	0.53	43.4
1.729	27.81	6.77	5.46	3.75	27.57	0.54	43.4
1.747	27.81	6.77	5.61	3.77	29.4	0.57	43.4
1.786	27.81	6.77	5.57	3.78	29.24	0.64	43.4
1.846	27.81	6.77	5.61	3.8	26.94	0.63	43.4
1.874	27.81	6.77	5.53	3.81	25.84	0.44	43.4
1.881	27.81	6.77	5.72	3.8	27.38	0.68	43.4
1.924	27.81	6.77	5.61	3.81	27.52	0.68	43.4
1.974	27.81	6.77	5.53	3.8	25.39	0.63	43.4
2.006	27.81	6.77	5.8	3.79	23.96	0.48	43.4
2.025	27.81	6.77	5.8	3.78	23.66	0.63	43.4
2.056	27.81	6.77	5.46	3.78	24.81	0.65	43.4
2.098	27.81	6.77	5.57	3.77	26.06	0.67	43.4
2.144	27.81	6.77	5.91	3.78	24.17	0.61	43.4
2.191	27.81	6.77	5.46	3.78	21.88	0.68	43.4
2.214	27.81	6.77	5.34	3.79	22.68	0.58	43.4
2.219	27.81	6.77	5.3	3.8	23.88	0.72	43.4
2.257	27.81	6.77	5.53	3.79	23.32	0.7	43.4
2.321	27.81	6.77	5.68	3.8	20.67	0.7	43.4
2.376	27.81	6.77	5.61	3.81	18.98	0.62	43.4
2.4	27.81	6.77	5.57	3.81	19.31	0.61	43.4
2.407	27.81	6.77	5.49	3.81	20.03	0.67	43.4
2.434	27.81	6.77	5.95	3.81	19.38	0.78	43.4
2.474	27.8	6.77	5.57	3.81	18.83	0.74	43.4
2.511	27.8	6.77	5.68	3.82	17.64	0.73	43.4
2.544	27.8	6.77	5.95	3.83	16.57	0.68	43.4
2.576	27.8	6.77	5.8	3.83	16.42	0.71	43.4
2.598	27.8	6.77	5.88	3.83	16.43	0.76	43.4
2.627	27.8	6.77	5.68	3.84	15.57	0.82	43.4
2.675	27.8	6.77	5.53	3.85	14.91	0.75	43.4
2.713	27.8	6.77	5.84	3.85	14.38	0.75	43.4
2.742	27.8	6.77	5.72	3.85	13.94	0.79	43.4
2.769	27.8	6.77	5.72	3.85	13.56	0.77	43.4
2.791	27.8	6.77	5.76	3.84	13.28	0.74	43.4
2.832	27.8	6.77	5.91	3.84	12.34	0.84	43.4
2.897	27.8	6.77	5.61	3.84	11.47	0.84	43.4
2.963	27.8	6.77	5.46	3.84	10.88	0.84	43.41
2.994	27.8	6.77	5.68	3.84	10.93	0.73	43.41
2.995	27.8	6.77	5.95	3.84	11.01	0.8	43.41
2.999	27.8	6.77	5.61	3.84	10.82	0.87	43.41
3.025	27.81	6.77	5.57	3.83	10.43	0.87	43.41
3.06	27.81	6.77	5.8	3.83	9.96	0.84	43.41
3.088	27.81	6.77	5.84	3.84	9.76	0.83	43.41
3.104	27.81	6.77	5.8	3.84	9.76	0.77	43.41
3.124	27.81	6.77	5.53	3.84	9.5	0.86	43.41
3.169	27.81	6.77	5.8	3.84	8.88	0.87	43.41
3.231	27.81	6.77	5.46	3.84	8.31	0.85	43.41
3.284	27.81	6.77	5.61	3.85	8.06	0.75	43.41
3.318	27.81	6.77	5.68	3.85	7.95	0.77	43.41
3.329	27.81	6.77	5.68	3.83	7.96	0.84	43.41
3.344	27.81	6.77	5.61	3.82	7.82	0.77	43.41
3.363	27.81	6.77	5.49	3.82	7.73	0.56	43.41

3.381	27.81	6.77	5.57	3.81	7.62	0.37	43.41
3.399	27.81	6.77	5.8	3.81	7.52	5.58	43.41
3.427	27.81	6.77	5.61	3.8	7.22	6.77	43.41
3.48	27.81	6.77	5.61	3.8	6.91	8.24	43.41
3.531	27.81	6.77	5.46	3.8	6.74	11.71	43.41
3.565	27.81	6.77	5.76	3.81	6.64	10.97	43.41
3.588	27.81	6.77	5.65	3.81	6.54	10.3	43.41
3.606	27.81	6.77	5.49	3.8	6.5	11.2	43.41
3.621	27.81	6.77	5.61	3.78	6.42	10.82	43.41
3.651	27.81	6.77	5.76	3.75	6.25	10.42	43.41
3.705	27.81	6.77	5.61	3.71	6.05	11.3	43.41
3.747	27.81	6.77	5.42	3.66	5.98	11.06	43.41
3.764	27.81	6.77	5.72	3.62	5.97	9.83	43.41
3.778	27.81	6.77	5.99	3.58	5.86	2.89	43.41
3.81	27.81	6.77	5.65	3.55	5.74	1.1	43.41
3.854	27.81	6.77	5.88	3.53	5.6	9.58	43.41
3.896	27.81	6.77	5.68	3.52	5.55	11.36	43.41
3.918	27.81	6.77	5.95	3.51	5.51	11.5	43.41
3.93	27.81	6.77	6.07	3.5	5.47	10.42	43.41
3.957	27.81	6.77	5.65	3.51	5.36	10.33	43.41
3.997	27.81	6.77	5.68	3.52	5.29	10.7	43.41
4.045	27.81	6.77	5.84	3.54	5.18	9.78	43.41
4.095	27.81	6.77	5.72	3.57	5.11	9.96	43.41
4.125	27.81	6.77	5.65	3.57	5.1	9.89	43.41
4.137	27.81	6.77	5.68	3.59	5.08	8.61	43.41
4.149	27.81	6.77	5.72	3.61	5.04	9.76	43.41
4.161	27.8	6.77	5.57	3.62	5.02	10.25	43.41
4.163	27.8	6.77	5.49	3.64	4.97	10.28	43.41
4.167	27.8	6.77	5.95	3.65	4.98	10.95	43.41
4.17	27.8	6.77	5.88	3.66	5.0	9.81	43.41
4.173	27.8	6.77	5.8	3.65	5.0	10.0	43.41
4.174	27.8	6.77	5.53	3.64	4.98	9.9	43.41



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	27.63	6.79	0.04	4.66	5.7	0.03	43.64
PROF (metros)	6.035	6.028	0.35	6.035	6.028	1.022	0.35
MÁXIMO	28.14	28.14	4.85	5.13	4163.3	11.13	43.7
PROF (metros)	0.35	0.35	6.028	4.522	0.35	5.54	6.031

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.14	6.85	2.29	4.94	2356.09	0.1	43.64
1 - 2m	28.13	6.85	3.63	4.88	367.05	0.22	43.64
2 - 3m	28.12	6.85	3.81	4.94	101.44	0.35	43.65
3 - 4m	28.11	6.85	3.85	5.02	35.52	0.53	43.65
4 - 5m	28.11	6.85	3.83	5.1	14.29	0.75	43.65
5 - 6m	28.02	6.84	3.81	4.86	7.22	9.71	43.65
6 - 7m	27.64	6.79	4.84	4.78	5.71	8.5	43.69

OBSERVACIONES GENERALES

CLOROFILA elevada en la(s) columna(s) de agua 5 - 6m, 6 - 7m con los valores 9.71, 8.5 respectivamente

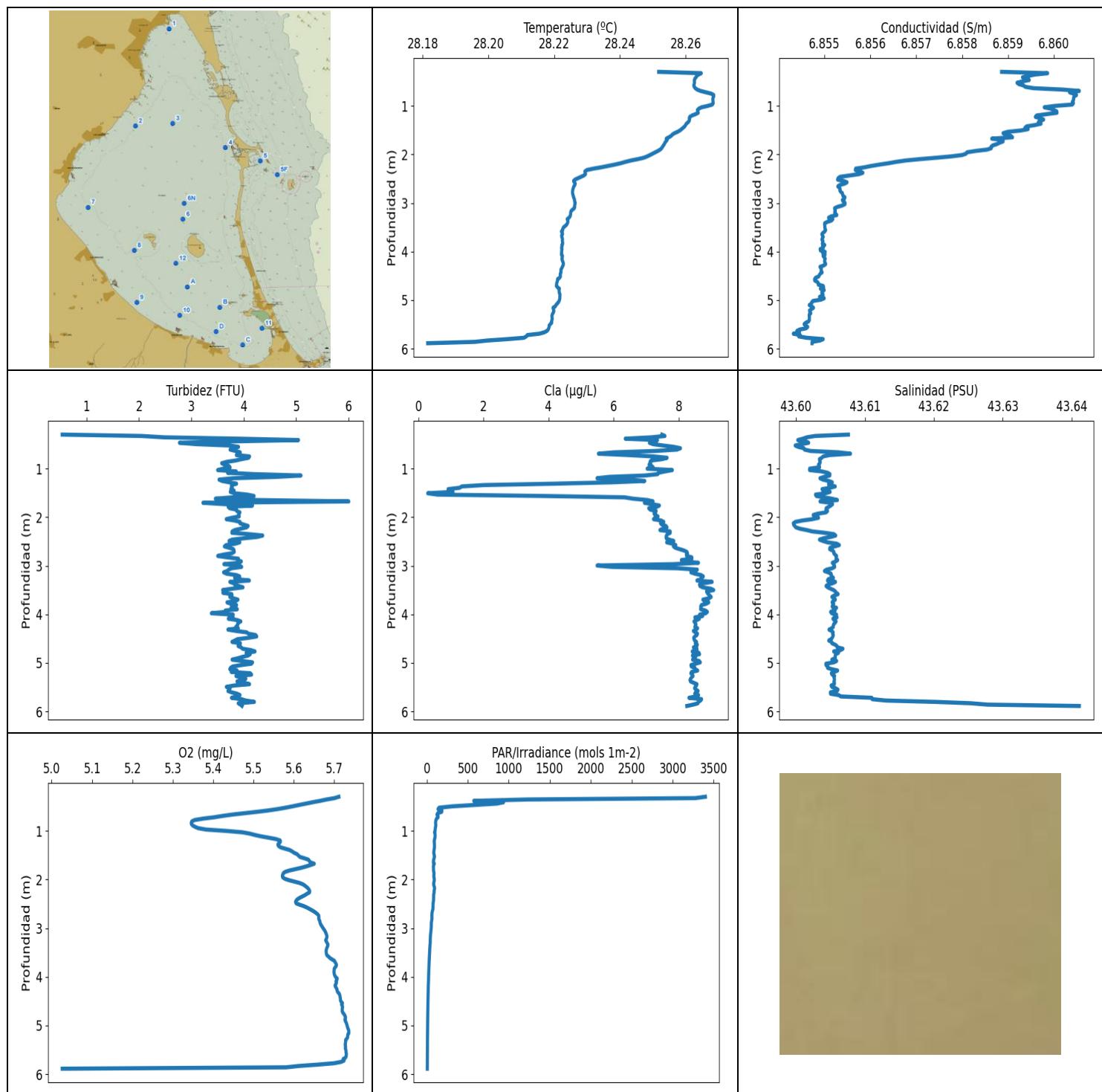
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.35	28.14	6.85	0.04	5.01	4163.3	0.12	43.64
0.966	28.14	6.85	4.54	4.87	548.88	0.08	43.64
1.007	28.14	6.85	2.25	4.88	928.69	0.09	43.64
1.022	28.14	6.85	2.86	4.9	598.44	0.03	43.64
1.026	28.14	6.85	4.62	4.9	917.78	0.23	43.64
1.059	28.14	6.85	2.56	4.91	489.04	0.18	43.64
1.111	28.14	6.85	2.86	4.92	623.36	0.08	43.64
1.15	28.13	6.85	4.23	4.92	441.43	0.31	43.65
1.27	28.14	6.85	3.13	4.93	459.38	0.14	43.64
1.308	28.14	6.85	4.04	4.94	387.87	0.04	43.64
1.333	28.13	6.85	3.81	4.94	499.7	0.33	43.65
1.372	28.14	6.85	3.59	4.93	364.85	0.22	43.64
1.427	28.14	6.85	3.47	4.92	323.95	0.2	43.64
1.485	28.14	6.85	3.51	4.91	374.53	0.11	43.64
1.526	28.14	6.85	3.51	4.9	296.16	0.22	43.64
1.542	28.14	6.85	4.16	4.88	305.5	0.16	43.64
1.555	28.13	6.85	3.74	4.86	310.07	0.43	43.65
1.592	28.13	6.85	3.7	4.84	296.16	0.23	43.64
1.65	28.13	6.85	3.55	4.83	289.71	0.2	43.64
1.693	28.13	6.85	3.74	4.83	266.83	0.17	43.64
1.708	28.13	6.85	3.62	4.84	246.43	0.13	43.65
1.712	28.13	6.85	3.7	4.84	258.43	0.38	43.65
1.729	28.13	6.85	3.85	4.85	261.38	0.31	43.65
1.763	28.13	6.85	3.78	4.85	248.44	0.18	43.65
1.806	28.13	6.85	4.04	4.86	231.27	0.35	43.65
1.837	28.13	6.85	3.81	4.85	227.81	0.25	43.64
1.859	28.13	6.85	3.93	4.85	191.28	0.12	43.65
1.884	28.13	6.85	3.81	4.84	205.53	0.41	43.65
1.914	28.13	6.85	3.89	4.83	207.98	0.16	43.65
1.945	28.13	6.85	3.89	4.83	199.34	0.24	43.65
1.973	28.13	6.85	3.74	4.84	193.07	0.41	43.65
2.002	28.13	6.85	3.97	4.85	179.72	0.32	43.65
2.043	28.13	6.85	3.62	4.85	155.49	0.28	43.65
2.103	28.13	6.85	3.62	4.85	151.96	0.39	43.65

2.156	28.13	6.85	3.66	4.85	158.4	0.28	43.65
2.187	28.12	6.85	3.66	4.85	144.61	0.21	43.65
2.192	28.12	6.85	3.78	4.85	150.77	0.35	43.65
2.203	28.12	6.85	3.89	4.86	146.02	0.55	43.65
2.253	28.12	6.85	4.04	4.87	121.34	0.34	43.65
2.313	28.12	6.85	3.89	4.88	119.08	0.28	43.65
2.352	28.12	6.85	3.74	4.9	127.24	0.26	43.65
2.366	28.12	6.85	3.66	4.93	115.33	0.35	43.65
2.381	28.12	6.85	4.04	4.93	107.36	0.45	43.65
2.436	28.12	6.85	3.89	4.94	101.76	0.4	43.65
2.501	28.12	6.85	3.85	4.95	98.44	0.29	43.65
2.541	28.12	6.85	3.89	4.97	96.46	0.16	43.65
2.549	28.12	6.85	3.93	4.99	95.17	0.32	43.65
2.565	28.12	6.85	4.12	5.0	87.61	0.46	43.65
2.613	28.12	6.85	3.89	5.0	84.8	0.33	43.65
2.67	28.12	6.85	4.04	5.0	84.03	0.36	43.65
2.714	28.12	6.85	3.74	5.0	81.94	0.34	43.65
2.73	28.12	6.85	3.62	5.0	81.75	0.24	43.65
2.733	28.12	6.85	3.85	5.0	77.32	0.41	43.65
2.749	28.12	6.85	3.93	5.0	73.16	0.36	43.65
2.787	28.12	6.85	3.97	4.99	71.46	0.4	43.65
2.844	28.12	6.85	3.74	4.98	66.52	0.41	43.65
2.904	28.12	6.85	3.85	4.99	63.94	0.39	43.65
2.945	28.12	6.85	3.51	4.99	62.36	0.36	43.65
2.964	28.12	6.85	3.55	5.0	61.88	0.38	43.65
2.971	28.12	6.85	3.66	5.0	60.48	0.43	43.64
2.977	28.12	6.85	3.74	4.99	59.78	0.38	43.64
2.996	28.12	6.85	3.78	4.97	58.37	0.41	43.65
3.033	28.12	6.85	3.81	4.95	54.83	0.4	43.65
3.075	28.12	6.85	4.31	4.95	53.4	0.43	43.65
3.103	28.12	6.85	4.42	4.95	52.92	0.36	43.65
3.127	28.12	6.85	4.08	4.97	50.73	0.48	43.65
3.159	28.12	6.85	3.81	4.98	47.16	0.44	43.65
3.207	28.12	6.85	3.81	4.99	43.81	0.52	43.65
3.266	28.12	6.85	3.81	5.0	42.14	0.52	43.65
3.31	28.12	6.85	3.78	5.01	42.36	0.47	43.65
3.332	28.12	6.85	3.66	5.02	41.5	0.43	43.65
3.349	28.12	6.85	3.74	5.02	40.52	0.48	43.65
3.373	28.12	6.85	3.93	5.02	38.72	0.57	43.65
3.412	28.11	6.85	3.81	5.01	36.76	0.5	43.65
3.461	28.11	6.85	4.0	5.01	34.68	0.58	43.65
3.502	28.11	6.85	4.16	5.02	34.14	0.52	43.65
3.527	28.11	6.85	3.74	5.03	34.5	0.49	43.65
3.535	28.11	6.85	4.08	5.04	34.34	0.53	43.65
3.558	28.11	6.85	3.89	5.05	31.89	0.63	43.65
3.603	28.11	6.85	3.85	5.04	29.94	0.56	43.65
3.651	28.11	6.85	3.93	5.04	28.77	0.6	43.65
3.695	28.11	6.85	3.55	5.04	27.82	0.55	43.65
3.734	28.11	6.85	3.85	5.05	27.4	0.58	43.65
3.763	28.11	6.85	3.78	5.05	27.08	0.54	43.65
3.788	28.11	6.85	3.66	5.05	25.64	0.59	43.65
3.828	28.11	6.85	3.74	5.05	24.1	0.65	43.65
3.876	28.11	6.85	3.59	5.06	23.11	0.66	43.65
3.921	28.11	6.85	3.59	5.06	22.52	0.64	43.65
3.958	28.11	6.85	3.74	5.05	22.22	0.62	43.65
3.985	28.11	6.85	3.74	5.05	21.68	0.6	43.65
4.015	28.11	6.85	3.97	5.05	20.61	0.71	43.65
4.053	28.11	6.85	3.7	5.05	19.71	0.7	43.65

4.089	28.11	6.85	3.7	5.05	19.25	0.67	43.65
4.118	28.11	6.85	3.66	5.07	19.08	0.63	43.65
4.133	28.11	6.85	3.74	5.07	18.95	0.65	43.65
4.15	28.11	6.85	3.74	5.07	18.22	0.74	43.65
4.19	28.11	6.85	3.7	5.08	17.45	0.76	43.65
4.233	28.11	6.85	3.85	5.08	16.96	0.68	43.65
4.266	28.11	6.85	4.04	5.09	16.61	0.65	43.65
4.29	28.11	6.85	3.89	5.09	16.24	0.68	43.65
4.318	28.11	6.85	3.66	5.09	15.83	0.75	43.65
4.344	28.11	6.85	4.08	5.09	15.62	0.73	43.65
4.361	28.11	6.85	4.04	5.09	15.45	0.71	43.65
4.384	28.11	6.85	3.85	5.09	14.82	0.77	43.65
4.416	28.11	6.85	3.81	5.1	14.47	0.74	43.65
4.446	28.11	6.85	4.04	5.11	14.21	0.68	43.65
4.465	28.11	6.85	4.08	5.11	14.19	0.76	43.65
4.477	28.11	6.85	4.04	5.12	14.06	0.79	43.65
4.494	28.11	6.85	3.93	5.12	13.68	0.81	43.65
4.522	28.11	6.85	3.85	5.13	13.16	0.8	43.65
4.563	28.11	6.85	3.93	5.13	12.7	0.84	43.65
4.608	28.11	6.85	3.66	5.13	12.3	0.85	43.65
4.647	28.11	6.85	3.78	5.13	12.1	0.75	43.65
4.674	28.11	6.85	4.04	5.13	11.89	0.76	43.65
4.696	28.11	6.85	3.7	5.13	11.66	0.79	43.65
4.717	28.11	6.85	3.93	5.13	11.42	0.74	43.65
4.752	28.11	6.85	3.7	5.13	10.97	0.86	43.65
4.804	28.11	6.85	3.81	5.12	10.55	0.83	43.65
4.852	28.11	6.85	3.59	5.12	10.25	0.78	43.65
4.884	28.11	6.85	3.81	5.12	10.11	0.81	43.65
4.912	28.11	6.85	3.81	5.12	9.92	0.86	43.65
4.94	28.11	6.85	3.55	5.12	9.72	0.8	43.65
4.98	28.11	6.85	3.59	5.13	9.32	0.79	43.65
5.03	28.11	6.85	3.36	5.13	9.05	1.42	43.65
5.069	28.1	6.85	3.81	5.13	8.93	6.97	43.65
5.1	28.1	6.85	3.62	5.13	8.73	7.73	43.65
5.132	28.1	6.85	3.59	5.12	8.55	9.69	43.65
5.167	28.1	6.85	3.85	5.12	8.4	10.45	43.65
5.197	28.1	6.85	3.78	5.1	8.27	10.96	43.65
5.228	28.1	6.85	3.7	5.08	8.04	10.68	43.65
5.277	28.1	6.85	3.78	5.03	7.73	10.08	43.65
5.325	28.1	6.85	3.66	4.99	7.63	11.03	43.65
5.356	28.1	6.85	3.59	4.93	7.61	11.06	43.65
5.372	28.1	6.85	3.51	4.88	7.55	10.55	43.65
5.382	28.1	6.85	3.78	4.83	7.45	10.49	43.65
5.419	28.1	6.85	3.66	4.78	7.15	9.89	43.65
5.486	28.1	6.85	3.66	4.75	6.93	10.94	43.65
5.54	28.1	6.85	3.62	4.72	6.86	11.13	43.65
5.567	28.1	6.85	3.81	4.71	6.8	10.7	43.65
5.588	28.09	6.84	3.78	4.7	6.68	10.02	43.65
5.624	28.09	6.84	3.66	4.71	6.58	10.84	43.65
5.67	28.06	6.84	3.7	4.71	6.42	10.27	43.65
5.718	27.99	6.83	3.81	4.71	6.29	10.32	43.66
5.763	27.91	6.82	3.89	4.71	6.19	10.5	43.65
5.795	27.84	6.81	4.08	4.69	6.14	10.01	43.66
5.814	27.79	6.81	4.31	4.68	6.12	9.3	43.67
5.835	27.75	6.8	4.2	4.68	6.03	9.68	43.67
5.869	27.71	6.8	4.2	4.7	5.93	8.94	43.69
5.93	27.69	6.8	4.62	4.73	5.75	8.9	43.69
6.028	27.64	6.79	4.84	4.84	5.7	8.56	43.69

6.031	27.64	6.79	4.84	4.84	5.73	8.53	43.7
6.035	27.63	6.79	4.84	4.66	5.71	8.41	43.69



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m⁻²)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	28.18	6.85	0.08	5.03	6.29	0.42	43.6
PROF (metros)	5.888	3.63	0.307	5.889	5.889	1.531	0.321
MÁXIMO	28.27	28.27	5.0	5.74	3399.1	9.1	43.64
PROF (metros)	0.307	0.297	1.133	5.107	0.297	3.497	5.885

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.26	6.86	3.08	5.52	910.35	6.94	43.6
1 - 2m	28.26	6.86	3.9	5.59	89.17	5.44	43.6
2 - 3m	28.23	6.86	3.84	5.64	75.37	7.84	43.6
3 - 4m	28.22	6.86	3.77	5.69	34.37	8.63	43.61
4 - 5m	28.22	6.85	3.93	5.72	15.27	8.54	43.61
5 - 6m	28.21	6.85	3.93	5.66	7.7	8.48	43.61

OBSERVACIONES GENERALES

CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m con los valores 6.94, 5.44, 7.84, 8.63, 8.54, 8.48 respectivamente

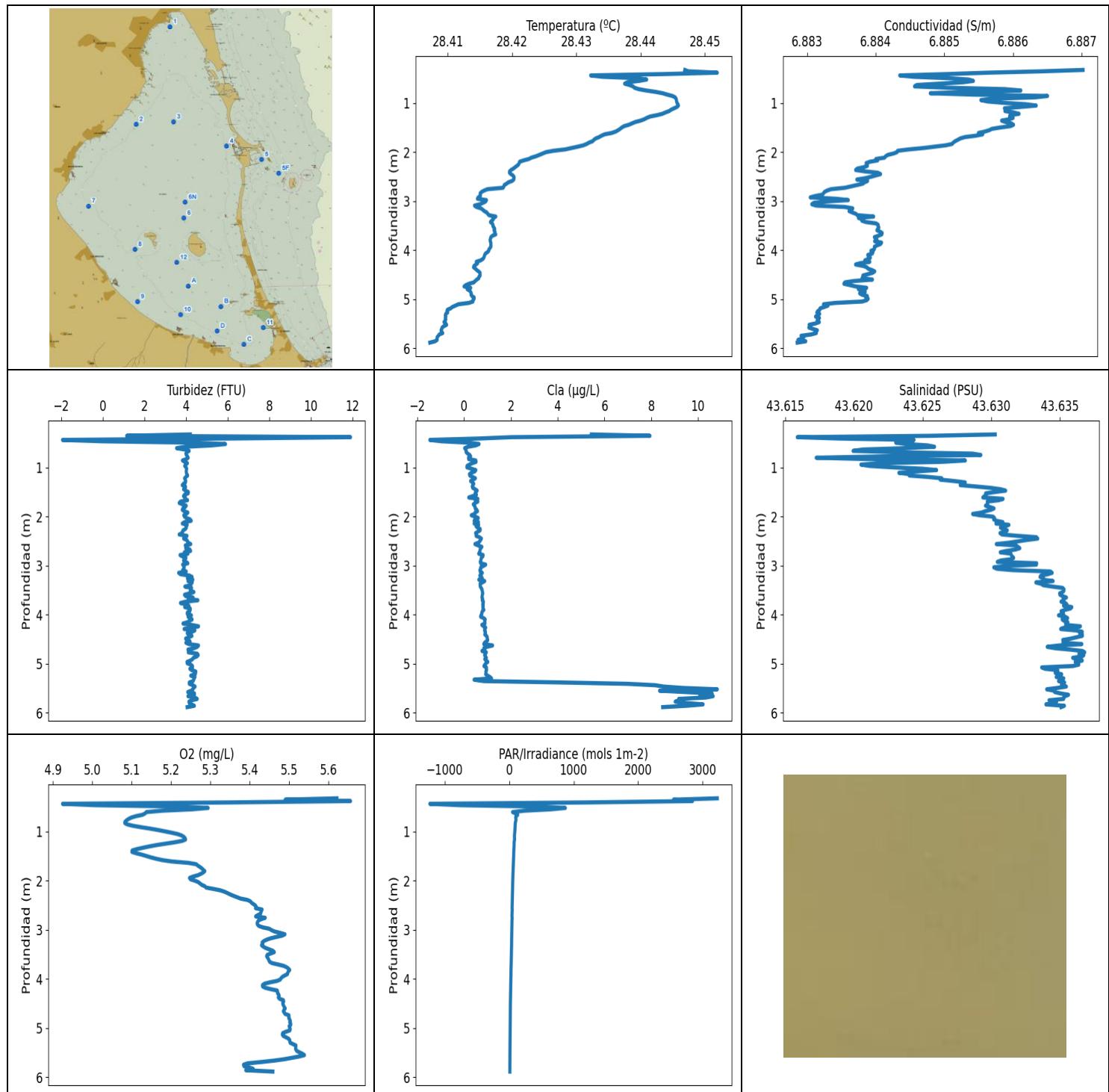
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.297	28.25	6.86	0.53	5.71	3399.1	7.48	43.61
0.307	28.27	6.86	0.08	5.71	3356.8	7.25	43.61
0.313	28.27	6.86	0.11	5.72	3346.7	4.67	43.61
0.321	28.26	6.86	1.45	5.71	3371.6	6.43	43.6
0.36	28.26	6.86	2.48	5.68	811.69	6.47	43.6
0.394	28.26	6.86	4.84	5.66	786.68	6.95	43.6
0.452	28.26	6.86	3.05	5.62	720.53	7.16	43.6
0.52	28.26	6.86	3.7	5.58	155.7	7.5	43.6
0.59	28.26	6.86	3.74	5.53	194.68	8.06	43.6
0.637	28.26	6.86	3.85	5.48	131.04	7.17	43.6
0.683	28.26	6.86	3.93	5.43	133.68	5.49	43.61
0.725	28.27	6.86	3.89	5.4	134.95	6.68	43.6
0.754	28.27	6.86	4.16	5.37	115.41	7.37	43.6
0.782	28.27	6.86	4.04	5.35	111.67	7.67	43.6
0.822	28.27	6.86	3.89	5.35	106.91	7.22	43.6
0.88	28.27	6.86	3.59	5.35	110.13	7.15	43.6
0.937	28.27	6.86	3.7	5.36	104.24	7.13	43.6
0.975	28.27	6.86	3.74	5.39	102.5	7.17	43.6
0.995	28.27	6.86	3.66	5.42	102.57	6.94	43.6
1.016	28.27	6.86	3.43	5.46	95.04	7.62	43.6
1.055	28.26	6.86	3.85	5.49	99.48	7.59	43.6
1.102	28.26	6.86	3.85	5.51	101.22	7.35	43.6
1.133	28.26	6.86	5.0	5.53	99.94	7.15	43.6
1.192	28.26	6.86	3.89	5.57	91.79	5.44	43.6
1.241	28.26	6.86	3.55	5.56	91.77	6.96	43.6
1.29	28.26	6.86	3.78	5.56	93.25	5.4	43.61
1.324	28.26	6.86	3.85	5.56	93.36	3.0	43.6
1.351	28.26	6.86	3.7	5.57	93.08	1.31	43.61
1.374	28.26	6.86	3.81	5.58	90.27	1.45	43.61
1.405	28.26	6.86	3.74	5.59	87.49	1.04	43.6
1.447	28.26	6.86	3.81	5.6	85.21	1.01	43.6
1.487	28.26	6.86	3.74	5.61	89.09	0.88	43.6
1.531	28.26	6.86	4.04	5.61	93.27	0.42	43.6
1.58	28.26	6.86	4.0	5.63	85.62	5.83	43.6

1.625	28.26	6.86	3.66	5.64	80.64	6.71	43.61
1.651	28.25	6.86	3.93	5.65	81.24	6.76	43.61
1.657	28.25	6.86	3.74	5.65	84.05	6.41	43.61
1.661	28.25	6.86	4.77	5.65	87.75	6.67	43.6
1.691	28.25	6.86	4.04	5.65	85.96	7.03	43.6
1.743	28.25	6.86	4.08	5.63	81.25	7.33	43.61
1.79	28.25	6.86	3.66	5.6	81.33	7.29	43.6
1.825	28.25	6.86	3.81	5.58	82.95	7.04	43.6
1.861	28.25	6.86	3.85	5.57	88.12	7.27	43.6
1.901	28.25	6.86	3.93	5.57	86.42	7.29	43.6
1.947	28.25	6.86	3.89	5.57	86.76	7.25	43.6
1.992	28.25	6.86	3.89	5.58	91.39	7.36	43.6
2.036	28.25	6.86	3.66	5.6	89.23	7.21	43.6
2.079	28.25	6.86	3.89	5.62	83.68	7.54	43.6
2.127	28.24	6.86	3.93	5.63	87.33	7.44	43.6
2.179	28.24	6.86	4.08	5.64	95.3	7.61	43.6
2.231	28.24	6.86	3.97	5.64	89.0	7.56	43.6
2.269	28.23	6.86	3.81	5.64	89.48	7.45	43.6
2.293	28.23	6.86	3.78	5.63	85.29	7.75	43.6
2.321	28.23	6.86	3.78	5.63	83.33	7.74	43.6
2.366	28.23	6.86	4.31	5.62	83.74	7.63	43.61
2.417	28.23	6.86	4.16	5.61	82.66	7.61	43.6
2.461	28.23	6.86	3.78	5.6	79.47	7.71	43.6
2.493	28.23	6.86	3.74	5.61	76.63	7.84	43.6
2.518	28.23	6.86	3.93	5.62	76.41	7.63	43.6
2.553	28.23	6.86	3.78	5.63	75.9	7.88	43.61
2.597	28.23	6.86	3.62	5.64	75.83	7.84	43.61
2.644	28.23	6.86	3.78	5.65	68.61	7.97	43.6
2.693	28.23	6.86	3.81	5.66	63.67	8.19	43.61
2.75	28.23	6.86	3.74	5.66	62.07	8.27	43.61
2.802	28.23	6.86	3.51	5.66	62.81	8.26	43.61
2.852	28.23	6.86	3.89	5.66	58.41	8.42	43.61
2.898	28.23	6.86	3.89	5.67	54.91	8.03	43.61
2.933	28.23	6.86	3.97	5.67	54.72	8.54	43.61
2.961	28.23	6.86	3.62	5.67	55.09	8.21	43.61
3.0	28.23	6.86	3.97	5.67	53.41	5.28	43.61
3.049	28.23	6.86	3.78	5.68	51.01	7.86	43.61
3.099	28.23	6.86	3.7	5.68	47.41	8.46	43.6
3.152	28.23	6.86	3.62	5.68	44.65	8.43	43.6
3.21	28.23	6.86	3.93	5.68	42.86	8.76	43.61
3.262	28.22	6.86	3.81	5.68	42.18	8.68	43.61
3.296	28.22	6.86	4.04	5.68	41.82	8.65	43.6
3.312	28.22	6.86	4.08	5.68	41.03	8.58	43.6
3.325	28.22	6.86	3.81	5.68	40.14	8.94	43.61
3.352	28.22	6.86	3.78	5.68	38.94	8.85	43.61
3.403	28.22	6.86	3.85	5.68	36.83	8.64	43.6
3.458	28.22	6.86	3.93	5.68	35.51	8.84	43.6
3.497	28.22	6.86	3.59	5.68	34.49	9.1	43.61
3.518	28.22	6.86	3.7	5.68	34.04	8.9	43.61
3.543	28.22	6.86	3.59	5.68	32.8	8.86	43.61
3.586	28.22	6.86	3.78	5.69	31.5	8.91	43.61
3.63	28.22	6.85	3.74	5.69	30.64	8.98	43.61
3.663	28.22	6.85	3.78	5.7	29.72	8.97	43.61
3.698	28.22	6.85	3.89	5.7	28.48	8.74	43.61
3.731	28.22	6.85	3.81	5.7	27.69	8.82	43.61
3.764	28.22	6.85	3.66	5.71	27.12	8.93	43.61
3.798	28.22	6.85	3.85	5.7	26.3	8.74	43.61
3.835	28.22	6.85	3.78	5.7	25.61	8.68	43.61

3.871	28.22	6.86	3.78	5.7	24.59	8.69	43.61
3.903	28.22	6.85	3.85	5.7	23.9	8.7	43.61
3.932	28.22	6.85	3.59	5.7	23.51	8.87	43.61
3.954	28.22	6.85	3.62	5.7	23.36	8.88	43.6
3.972	28.22	6.85	3.36	5.7	22.78	8.87	43.6
4.001	28.22	6.86	3.78	5.7	21.86	8.65	43.61
4.031	28.22	6.85	3.7	5.71	21.52	8.74	43.61
4.047	28.22	6.85	3.85	5.71	21.59	8.66	43.61
4.06	28.22	6.86	3.81	5.71	21.31	8.51	43.61
4.088	28.22	6.85	3.7	5.7	20.41	8.63	43.61
4.128	28.22	6.86	3.93	5.71	19.41	8.51	43.61
4.171	28.22	6.86	3.89	5.7	18.47	8.5	43.61
4.219	28.22	6.86	3.89	5.7	17.84	8.53	43.61
4.263	28.22	6.86	3.85	5.71	17.47	8.5	43.61
4.299	28.22	6.85	3.85	5.71	17.19	8.59	43.6
4.327	28.22	6.85	3.66	5.71	16.66	8.48	43.6
4.354	28.22	6.85	4.0	5.71	16.12	8.46	43.61
4.383	28.22	6.85	4.04	5.71	15.8	8.55	43.61
4.42	28.22	6.85	4.2	5.72	15.3	8.57	43.61
4.469	28.22	6.85	4.2	5.72	14.72	8.47	43.61
4.518	28.22	6.85	3.85	5.72	14.22	8.47	43.6
4.551	28.22	6.85	3.81	5.72	14.01	8.51	43.6
4.57	28.22	6.85	3.78	5.72	13.75	8.55	43.61
4.595	28.22	6.85	3.93	5.72	13.39	8.51	43.61
4.64	28.22	6.85	3.89	5.72	12.83	8.59	43.61
4.692	28.22	6.85	3.97	5.72	12.54	8.46	43.61
4.732	28.22	6.86	4.08	5.72	12.3	8.6	43.61
4.753	28.22	6.85	4.27	5.72	12.06	8.41	43.61
4.779	28.22	6.85	4.08	5.73	11.78	8.52	43.61
4.819	28.22	6.85	4.12	5.73	11.46	8.65	43.61
4.86	28.22	6.85	4.04	5.73	11.14	8.4	43.61
4.891	28.22	6.85	3.93	5.73	10.97	8.58	43.61
4.914	28.22	6.85	3.85	5.73	10.88	8.41	43.61
4.933	28.22	6.85	3.78	5.73	10.67	8.42	43.61
4.969	28.22	6.86	4.04	5.73	10.31	8.67	43.61
5.015	28.22	6.85	4.16	5.73	9.95	8.54	43.6
5.067	28.22	6.85	3.81	5.73	9.66	8.36	43.6
5.107	28.22	6.85	3.74	5.74	9.57	8.5	43.6
5.131	28.22	6.85	3.74	5.74	9.49	8.49	43.61
5.148	28.22	6.85	3.89	5.74	9.33	8.59	43.61
5.181	28.22	6.85	3.74	5.73	9.0	8.43	43.61
5.23	28.22	6.85	4.23	5.73	8.71	8.4	43.61
5.27	28.22	6.85	3.85	5.73	8.68	8.44	43.61
5.298	28.22	6.85	4.0	5.73	8.5	8.4	43.61
5.337	28.22	6.85	4.0	5.73	8.24	8.36	43.61
5.391	28.22	6.85	3.89	5.73	7.95	8.38	43.61
5.445	28.22	6.85	4.08	5.73	7.77	8.57	43.61
5.483	28.22	6.85	3.66	5.73	7.7	8.52	43.6
5.504	28.22	6.85	3.7	5.73	7.65	8.5	43.61
5.535	28.22	6.85	3.74	5.73	7.44	8.49	43.61
5.582	28.22	6.85	3.7	5.73	7.26	8.6	43.61
5.63	28.22	6.85	3.85	5.73	7.1	8.48	43.6
5.667	28.22	6.85	3.93	5.73	7.04	8.62	43.61
5.694	28.22	6.85	3.85	5.72	6.95	8.51	43.61
5.713	28.21	6.85	3.74	5.73	6.89	8.28	43.61
5.74	28.21	6.85	3.93	5.72	6.81	8.62	43.61
5.773	28.21	6.85	4.0	5.7	6.71	8.69	43.61
5.798	28.21	6.85	4.23	5.67	6.64	8.6	43.62

5.827	28.2	6.85	3.93	5.62	6.5	8.63	43.62
5.857	28.2	6.85	3.93	5.58	6.41	8.43	43.63
5.876	28.19	6.85	3.89	5.51	6.39	8.6	43.63
5.885	28.18	6.85	4.31	5.39	6.37	8.44	43.64
5.888	28.18	6.85	4.42	5.22	6.32	8.24	43.64
5.889	28.18	6.85	3.97	5.03	6.29	8.25	43.64



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols 1m^{-2})	[Cla] ($\mu\text{g/L}$)	Salinity (PSU)
MÍNIMO	28.41	6.88	2.29	5.08	7.37	0.06	43.62
PROF (metros)	2.931	0.411	0.357	0.788	5.889	0.411	0.353
MÁXIMO	28.45	28.45	5.11	5.62	3229.3	10.64	43.64
PROF (metros)	0.323	0.323	0.371	0.323	0.323	5.665	3.463

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.44	6.89	3.94	5.26	804.58	1.27	43.62
1 - 2m	28.44	6.89	3.94	5.21	66.16	0.41	43.63
2 - 3m	28.42	6.88	3.97	5.38	44.72	0.62	43.63
3 - 4m	28.42	6.88	4.09	5.46	30.62	0.75	43.63
4 - 5m	28.41	6.88	4.21	5.48	16.19	0.88	43.64
5 - 6m	28.41	6.88	4.29	5.48	9.05	5.83	43.63

OBSERVACIONES GENERALES

CLOROFILA elevada en la(s) columna(s) de agua 5 - 6m con los valores 5.83 respectivamente

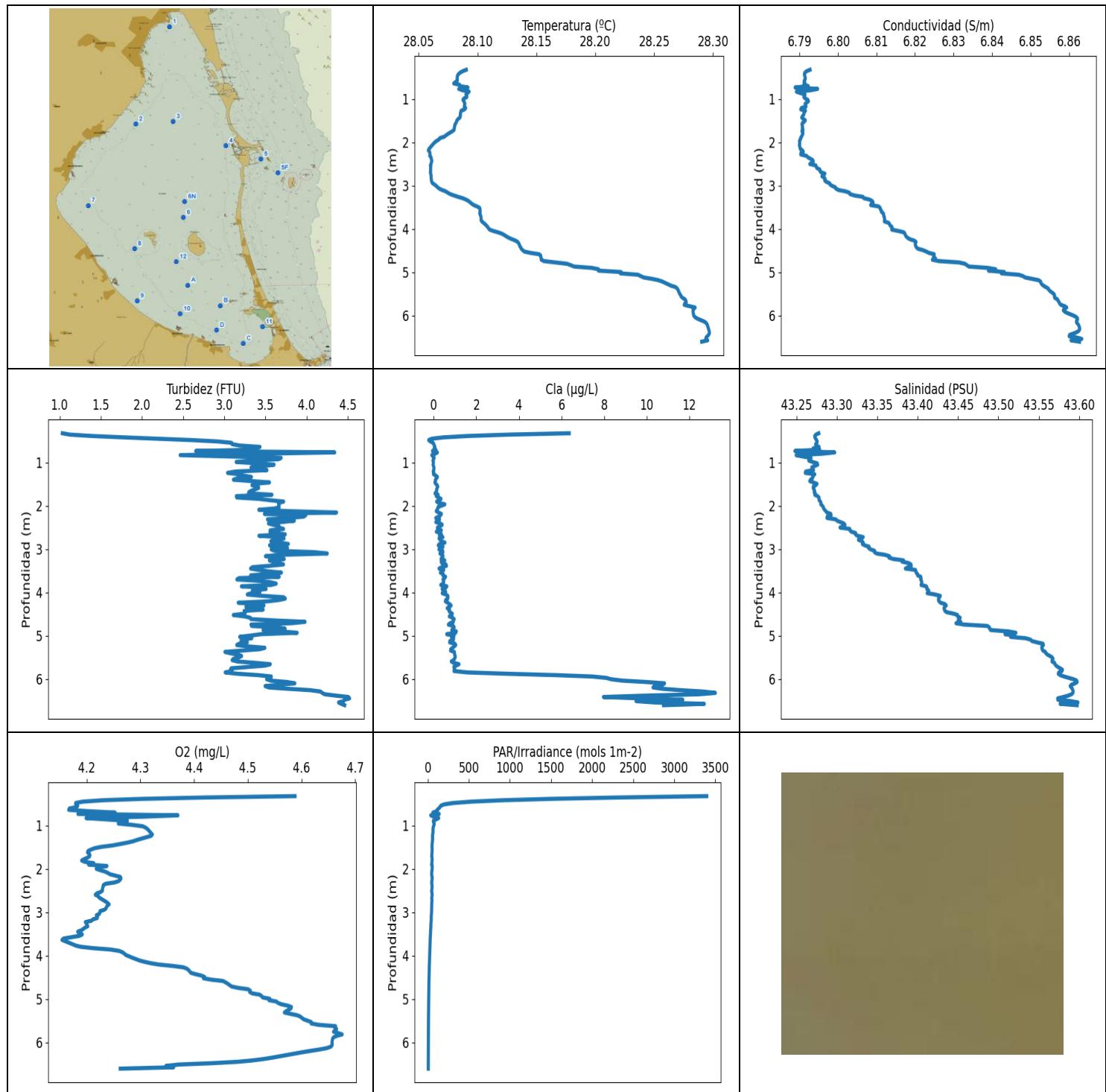
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.323	28.45	6.89	4.2	5.62	3229.3	5.44	43.63
0.338	28.45	6.89	3.74	5.61	3111.8	7.06	43.63
0.353	28.45	6.89	3.36	5.57	2525.9	5.56	43.62
0.356	28.45	6.89	4.73	5.54	1672.4	1.14	43.62
0.357	28.44	6.89	2.29	5.37	660.24	0.11	43.62
0.371	28.44	6.89	5.11	5.3	644.81	0.12	43.62
0.411	28.44	6.88	3.89	5.24	585.68	0.06	43.62
0.487	28.44	6.88	3.89	5.2	326.97	0.08	43.62
0.584	28.44	6.89	3.66	5.16	132.63	0.08	43.63
0.642	28.44	6.88	4.08	5.13	122.78	0.09	43.62
0.682	28.44	6.88	4.04	5.11	107.04	0.08	43.62
0.739	28.44	6.89	4.0	5.09	102.35	0.23	43.63
0.788	28.44	6.88	4.08	5.08	98.01	0.24	43.62
0.821	28.44	6.89	4.04	5.08	91.73	0.16	43.62
0.856	28.45	6.89	3.81	5.09	89.96	0.51	43.63
0.9	28.45	6.89	4.04	5.12	89.23	0.4	43.62
0.949	28.45	6.89	3.93	5.15	87.06	0.18	43.62
1.001	28.45	6.89	4.0	5.19	84.54	0.14	43.62
1.052	28.45	6.89	4.0	5.22	80.24	0.5	43.63
1.102	28.45	6.89	4.0	5.23	78.53	0.32	43.62
1.147	28.44	6.89	4.04	5.24	79.91	0.22	43.62
1.179	28.44	6.89	4.04	5.23	79.23	0.3	43.62
1.201	28.44	6.89	3.93	5.22	74.73	0.43	43.63
1.225	28.44	6.89	3.93	5.2	73.05	0.48	43.63
1.264	28.44	6.89	3.97	5.17	73.36	0.28	43.63
1.315	28.44	6.89	3.93	5.14	71.4	0.4	43.63
1.361	28.44	6.89	3.81	5.11	69.76	0.37	43.63
1.398	28.44	6.89	4.0	5.1	68.81	0.35	43.63
1.428	28.44	6.89	3.89	5.1	67.11	0.41	43.63
1.463	28.44	6.89	3.93	5.12	67.19	0.55	43.63
1.518	28.44	6.89	4.12	5.15	65.5	0.46	43.63
1.576	28.44	6.89	3.85	5.17	63.67	0.43	43.63
1.615	28.44	6.89	3.93	5.21	62.08	0.27	43.63
1.631	28.43	6.89	3.85	5.23	62.45	0.6	43.63
1.646	28.43	6.89	4.08	5.25	61.74	0.49	43.63

1.684	28.43	6.89	3.81	5.27	59.89	0.58	43.63
1.738	28.43	6.89	3.74	5.28	58.63	0.4	43.63
1.781	28.43	6.89	4.0	5.28	57.78	0.45	43.63
1.81	28.43	6.89	3.93	5.29	56.13	0.47	43.63
1.843	28.43	6.89	3.81	5.28	55.53	0.49	43.63
1.887	28.43	6.88	3.89	5.27	54.76	0.57	43.63
1.933	28.43	6.88	4.08	5.25	53.96	0.43	43.63
1.961	28.43	6.88	3.89	5.25	53.71	0.42	43.63
1.979	28.43	6.88	3.89	5.25	52.63	0.27	43.63
2.006	28.43	6.88	3.93	5.26	51.72	0.54	43.63
2.047	28.42	6.88	4.12	5.27	51.31	0.52	43.63
2.086	28.42	6.88	4.23	5.28	51.04	0.43	43.63
2.124	28.42	6.88	3.81	5.29	50.09	0.6	43.63
2.152	28.42	6.88	3.89	5.29	49.91	0.4	43.63
2.169	28.42	6.88	4.04	5.31	49.88	0.62	43.63
2.194	28.42	6.88	4.0	5.32	49.4	0.52	43.63
2.236	28.42	6.88	4.0	5.34	48.2	0.63	43.63
2.294	28.42	6.88	3.81	5.35	47.08	0.65	43.63
2.345	28.42	6.88	3.78	5.37	46.12	0.48	43.63
2.378	28.42	6.88	3.74	5.38	46.32	0.53	43.63
2.396	28.42	6.88	4.08	5.4	46.09	0.51	43.63
2.424	28.42	6.88	3.93	5.4	45.16	0.67	43.63
2.484	28.42	6.88	4.04	5.41	43.71	0.69	43.63
2.542	28.42	6.88	4.12	5.42	43.02	0.56	43.63
2.575	28.42	6.88	4.12	5.42	43.06	0.47	43.63
2.584	28.42	6.88	3.97	5.43	44.05	0.55	43.63
2.6	28.42	6.88	4.04	5.43	43.75	0.7	43.63
2.64	28.42	6.88	3.97	5.43	42.31	0.71	43.63
2.697	28.42	6.88	4.23	5.42	41.13	0.68	43.63
2.742	28.42	6.88	3.93	5.42	40.97	0.63	43.63
2.755	28.42	6.88	4.08	5.44	42.85	0.62	43.63
2.777	28.42	6.88	3.78	5.43	41.83	0.77	43.63
2.826	28.42	6.88	3.93	5.42	40.47	0.76	43.63
2.885	28.42	6.88	3.89	5.42	39.12	0.72	43.63
2.931	28.41	6.88	4.08	5.42	38.98	0.69	43.63
2.952	28.41	6.88	4.08	5.43	39.57	0.71	43.63
2.959	28.41	6.88	3.78	5.44	40.23	0.73	43.63
2.976	28.42	6.88	3.78	5.45	39.45	0.9	43.63
3.018	28.42	6.88	3.89	5.46	37.93	0.76	43.63
3.063	28.41	6.88	3.89	5.48	37.1	0.71	43.63
3.097	28.41	6.88	3.85	5.49	37.14	0.67	43.63
3.118	28.41	6.88	4.0	5.48	37.37	0.68	43.63
3.145	28.42	6.88	3.66	5.47	36.64	0.77	43.63
3.185	28.42	6.88	3.85	5.45	35.43	0.69	43.63
3.228	28.42	6.88	4.31	5.44	34.36	0.72	43.63
3.265	28.42	6.88	4.12	5.43	34.27	0.73	43.63
3.287	28.42	6.88	4.35	5.43	34.64	0.61	43.63
3.293	28.42	6.88	4.08	5.43	34.76	0.73	43.63
3.318	28.42	6.88	4.12	5.43	33.73	0.88	43.63
3.368	28.42	6.88	4.23	5.44	32.74	0.69	43.63
3.413	28.42	6.88	4.12	5.45	32.17	0.69	43.63
3.441	28.42	6.88	3.93	5.46	31.97	0.69	43.63
3.463	28.42	6.88	4.39	5.46	31.66	0.74	43.64
3.493	28.42	6.88	4.12	5.45	31.1	0.77	43.64
3.528	28.42	6.88	4.35	5.44	30.5	0.78	43.64
3.567	28.42	6.88	4.16	5.45	29.5	0.8	43.63
3.608	28.42	6.88	3.89	5.45	28.69	0.77	43.64
3.642	28.42	6.88	4.2	5.45	28.26	0.77	43.64

3.665	28.42	6.88	4.35	5.45	28.21	0.76	43.64
3.684	28.42	6.88	4.08	5.46	27.87	0.8	43.64
3.705	28.42	6.88	4.54	5.47	27.27	0.77	43.64
3.739	28.42	6.88	3.89	5.49	26.42	0.83	43.64
3.782	28.42	6.88	3.89	5.5	25.79	0.79	43.64
3.821	28.42	6.88	4.12	5.5	25.16	0.81	43.64
3.848	28.42	6.88	3.93	5.5	25.03	0.8	43.64
3.864	28.42	6.88	4.12	5.5	24.52	0.78	43.64
3.89	28.42	6.88	4.2	5.5	23.74	0.85	43.64
3.933	28.42	6.88	4.16	5.49	22.89	0.77	43.64
3.986	28.42	6.88	4.04	5.48	22.3	0.76	43.64
4.03	28.42	6.88	4.23	5.47	21.9	0.7	43.63
4.055	28.42	6.88	4.0	5.46	21.44	0.73	43.64
4.08	28.42	6.88	4.27	5.45	20.86	0.88	43.64
4.114	28.42	6.88	4.2	5.43	20.37	0.88	43.64
4.158	28.42	6.88	4.04	5.43	19.75	0.89	43.64
4.196	28.42	6.88	3.93	5.44	19.59	0.84	43.64
4.217	28.41	6.88	4.31	5.46	19.26	0.76	43.64
4.227	28.41	6.88	4.31	5.47	19.12	0.82	43.64
4.24	28.41	6.88	4.62	5.47	18.95	0.83	43.64
4.261	28.41	6.88	4.42	5.47	18.74	0.91	43.64
4.286	28.41	6.88	3.85	5.47	18.42	0.89	43.63
4.32	28.41	6.88	4.39	5.47	17.8	0.87	43.64
4.365	28.41	6.88	4.12	5.47	17.25	0.92	43.64
4.4	28.41	6.88	4.08	5.47	17.14	0.88	43.64
4.419	28.41	6.88	4.2	5.48	16.91	0.9	43.64
4.441	28.41	6.88	4.27	5.49	16.46	0.98	43.64
4.476	28.41	6.88	4.0	5.48	15.97	0.98	43.64
4.527	28.41	6.88	4.12	5.48	15.35	1.0	43.64
4.573	28.41	6.88	4.0	5.49	15.1	0.88	43.64
4.598	28.41	6.88	3.97	5.49	15.09	0.83	43.64
4.6	28.41	6.88	4.04	5.49	15.11	0.83	43.64
4.614	28.41	6.88	4.42	5.49	14.57	1.08	43.64
4.656	28.41	6.88	4.54	5.49	14.04	0.99	43.63
4.705	28.41	6.88	4.2	5.49	13.77	0.86	43.64
4.737	28.41	6.88	4.12	5.5	13.7	0.82	43.64
4.748	28.41	6.88	4.23	5.5	13.73	0.76	43.64
4.752	28.41	6.88	4.08	5.5	13.49	0.82	43.64
4.776	28.41	6.88	4.23	5.5	13.21	0.95	43.64
4.819	28.41	6.88	4.58	5.5	12.78	0.88	43.64
4.87	28.41	6.88	4.42	5.5	12.38	0.94	43.64
4.911	28.41	6.88	4.31	5.5	12.28	0.87	43.64
4.928	28.41	6.88	4.39	5.51	12.21	0.82	43.64
4.94	28.41	6.88	4.16	5.5	12.0	0.97	43.64
4.97	28.41	6.88	4.04	5.5	11.7	0.99	43.64
5.012	28.41	6.88	4.12	5.5	11.44	0.9	43.64
5.049	28.41	6.88	4.31	5.5	11.28	0.85	43.64
5.068	28.41	6.88	4.08	5.5	11.27	0.88	43.63
5.084	28.41	6.88	4.42	5.49	11.01	0.99	43.63
5.107	28.41	6.88	4.16	5.48	10.9	0.94	43.63
5.138	28.41	6.88	4.31	5.48	10.65	0.96	43.63
5.169	28.41	6.88	4.46	5.49	10.53	0.92	43.63
5.193	28.41	6.88	4.46	5.49	10.39	0.93	43.63
5.209	28.41	6.88	4.54	5.5	10.36	0.9	43.63
5.23	28.41	6.88	4.23	5.5	10.2	0.97	43.64
5.266	28.41	6.88	4.39	5.5	9.85	1.05	43.63
5.312	28.41	6.88	4.35	5.5	9.64	0.99	43.64
5.353	28.41	6.88	4.35	5.52	9.43	0.53	43.63

5.392	28.41	6.88	4.12	5.52	9.27	4.99	43.64
5.429	28.41	6.88	4.23	5.52	9.11	7.82	43.63
5.467	28.41	6.88	4.42	5.52	8.87	8.5	43.64
5.51	28.41	6.88	4.31	5.53	8.68	10.0	43.63
5.543	28.41	6.88	4.31	5.54	8.61	10.1	43.63
5.563	28.41	6.88	4.16	5.54	8.59	7.33	43.63
5.584	28.41	6.88	4.08	5.52	8.41	9.87	43.63
5.624	28.41	6.88	4.5	5.5	8.22	10.1	43.64
5.665	28.41	6.88	4.08	5.46	8.08	10.64	43.64
5.694	28.41	6.88	4.42	5.43	8.03	10.3	43.64
5.709	28.41	6.88	4.54	5.41	7.99	9.76	43.64
5.719	28.41	6.88	4.54	5.4	7.94	9.23	43.64
5.735	28.41	6.88	4.39	5.39	7.82	9.21	43.63
5.788	28.41	6.88	4.12	5.39	7.53	9.09	43.63
5.85	28.41	6.88	4.35	5.4	7.45	10.02	43.63
5.882	28.41	6.88	4.08	5.41	7.39	8.94	43.64
5.885	28.41	6.88	4.12	5.43	7.38	8.92	43.64
5.887	28.41	6.88	4.35	5.44	7.41	8.74	43.63
5.888	28.41	6.88	4.27	5.45	7.39	8.65	43.63
5.889	28.41	6.88	4.04	5.46	7.37	8.49	43.64



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

	Temp ($^{\circ}\text{C}$)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols 1m^{-2})	[Cla] (mg/m^3)	Salinity (PSU)
MÍNIMO	28.06	6.79	1.03	4.15	5.53	-0.04	43.26
PROF (metros)	2.012	0.325	0.325	3.628	6.606	0.955	0.877
MÁXIMO	28.3	28.3	4.54	4.68	3395.9	12.19	43.6
PROF (metros)	6.265	5.483	6.434	5.802	0.325	6.358	6.034

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.09	6.79	3.05	4.26	373.9	0.47	43.27
1 - 2m	28.08	6.79	3.41	4.25	53.41	0.11	43.27
2 - 3m	28.06	6.79	3.7	4.24	48.83	0.27	43.31
3 - 4m	28.09	6.81	3.55	4.2	32.71	0.42	43.39
4 - 5m	28.15	6.83	3.42	4.42	15.45	0.75	43.45
5 - 6m	28.27	6.85	3.23	4.61	8.53	1.23	43.56
6 - 7m	28.29	6.86	4.13	4.49	6.07	10.61	43.59

OBSERVACIONES GENERALES

CLOROFILA elevada en la(s) columna(s) de agua 6 - 7m con los valores 10.61 respectivamente

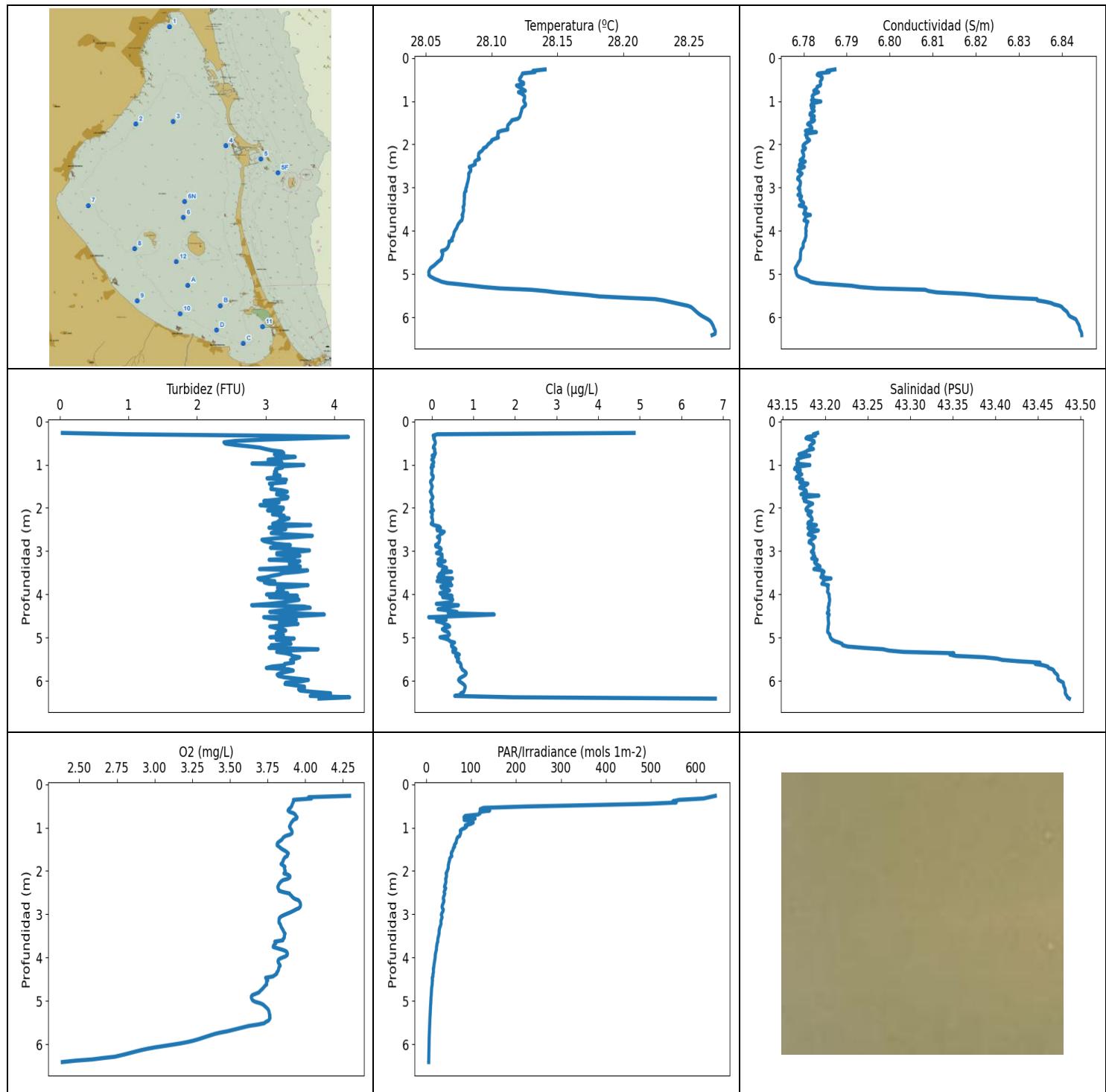
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.325	28.09	6.79	1.03	4.59	3395.9	6.36	43.28
0.444	28.08	6.79	2.1	4.2	604.02	-0.0	43.27
0.547	28.08	6.79	3.09	4.18	157.08	-0.03	43.27
0.611	28.08	6.79	3.2	4.17	131.22	0.03	43.27
0.641	28.08	6.79	3.43	4.17	113.47	0.06	43.28
0.655	28.08	6.79	3.36	4.2	125.08	0.02	43.28
0.68	28.09	6.79	3.24	4.21	96.88	0.04	43.27
0.725	28.09	6.79	3.09	4.24	92.34	0.04	43.27
0.759	28.09	6.79	3.43	4.26	104.68	0.02	43.27
0.76	28.09	6.79	3.59	4.28	93.33	0.05	43.27
0.803	28.09	6.79	3.13	4.28	90.02	0.02	43.27
0.877	28.09	6.79	3.47	4.26	78.5	0.01	43.26
0.955	28.09	6.79	3.36	4.26	78.5	-0.04	43.26
0.997	28.09	6.79	3.17	4.29	73.56	-0.01	43.27
1.035	28.09	6.79	3.55	4.31	66.68	-0.03	43.28
1.123	28.09	6.79	3.32	4.32	63.41	0.02	43.27
1.204	28.09	6.79	3.24	4.32	59.78	-0.02	43.26
1.243	28.09	6.79	3.17	4.32	56.74	0.02	43.26
1.248	28.09	6.79	3.43	4.32	57.87	0.04	43.27
1.264	28.09	6.79	3.32	4.31	58.53	-0.0	43.27
1.315	28.09	6.79	3.32	4.3	57.83	0.15	43.27
1.385	28.09	6.79	3.09	4.28	54.5	0.09	43.27
1.432	28.08	6.79	3.36	4.26	51.58	0.08	43.27
1.459	28.08	6.79	3.55	4.25	50.54	0.06	43.27
1.495	28.08	6.79	3.36	4.23	51.22	0.1	43.28
1.547	28.08	6.79	3.4	4.21	52.64	0.19	43.27
1.607	28.08	6.79	3.4	4.2	51.61	0.14	43.27
1.661	28.08	6.79	3.32	4.21	49.37	0.14	43.27
1.695	28.08	6.79	3.28	4.21	47.55	0.09	43.27
1.717	28.08	6.79	3.32	4.21	48.21	0.07	43.27
1.739	28.08	6.79	3.59	4.2	50.92	0.2	43.27
1.775	28.08	6.79	3.17	4.2	52.65	0.12	43.28
1.837	28.07	6.79	3.4	4.2	50.24	0.34	43.28
1.894	28.07	6.79	3.66	4.21	46.79	0.17	43.28

1.913	28.07	6.79	3.74	4.21	46.4	0.11	43.28
1.92	28.07	6.79	3.7	4.22	49.76	0.11	43.28
1.951	28.07	6.79	3.66	4.23	53.65	0.45	43.28
2.012	28.06	6.79	3.66	4.22	52.09	0.26	43.28
2.074	28.06	6.79	3.55	4.24	48.19	0.19	43.28
2.124	28.06	6.79	3.78	4.24	46.58	0.12	43.29
2.149	28.06	6.79	4.5	4.25	47.36	0.19	43.29
2.173	28.06	6.79	3.66	4.26	51.05	0.33	43.29
2.22	28.06	6.79	4.0	4.26	52.65	0.32	43.29
2.264	28.06	6.79	3.85	4.26	50.47	0.18	43.29
2.301	28.06	6.79	3.66	4.26	47.89	0.14	43.29
2.327	28.06	6.79	3.51	4.25	47.23	0.37	43.3
2.348	28.06	6.79	3.89	4.23	48.58	0.2	43.3
2.376	28.06	6.79	3.7	4.23	50.83	0.1	43.3
2.42	28.06	6.79	3.55	4.23	51.49	0.38	43.31
2.469	28.06	6.79	3.66	4.23	49.79	0.31	43.31
2.508	28.06	6.79	3.66	4.23	47.05	0.14	43.3
2.53	28.06	6.79	3.7	4.23	46.86	0.1	43.31
2.549	28.06	6.79	3.74	4.22	49.6	0.51	43.32
2.571	28.06	6.79	3.51	4.22	51.66	0.27	43.32
2.604	28.06	6.79	3.59	4.22	51.94	0.14	43.32
2.64	28.06	6.8	3.66	4.22	50.29	0.37	43.32
2.666	28.06	6.8	3.7	4.22	48.05	0.32	43.32
2.68	28.06	6.8	3.47	4.23	47.82	0.2	43.32
2.709	28.06	6.8	3.55	4.23	49.66	0.45	43.33
2.751	28.06	6.8	3.74	4.24	49.78	0.25	43.33
2.787	28.06	6.8	3.62	4.24	47.92	0.32	43.33
2.806	28.06	6.8	3.66	4.24	47.48	0.17	43.33
2.827	28.06	6.8	3.51	4.24	48.18	0.5	43.33
2.862	28.06	6.8	3.78	4.24	47.35	0.42	43.33
2.898	28.06	6.8	3.66	4.24	46.5	0.21	43.33
2.927	28.06	6.8	3.55	4.24	46.74	0.28	43.34
2.952	28.06	6.8	3.81	4.23	46.51	0.47	43.34
2.985	28.06	6.8	3.7	4.22	46.25	0.31	43.34
3.022	28.07	6.8	3.55	4.23	44.86	0.29	43.34
3.059	28.07	6.8	3.85	4.22	42.8	0.5	43.35
3.092	28.07	6.8	4.35	4.22	41.78	0.29	43.35
3.124	28.07	6.8	3.81	4.22	41.88	0.39	43.36
3.155	28.07	6.8	3.51	4.21	41.94	0.43	43.36
3.19	28.08	6.8	3.59	4.21	41.13	0.41	43.36
3.225	28.08	6.8	3.74	4.2	39.98	0.33	43.37
3.26	28.08	6.81	3.55	4.2	37.71	0.52	43.38
3.289	28.09	6.81	3.59	4.2	37.39	0.37	43.38
3.319	28.09	6.81	3.66	4.2	36.86	0.36	43.39
3.363	28.09	6.81	3.7	4.2	35.89	0.61	43.39
3.414	28.09	6.81	3.36	4.19	34.13	0.42	43.39
3.45	28.1	6.81	3.32	4.18	33.73	0.25	43.38
3.472	28.1	6.81	3.36	4.18	32.69	0.46	43.39
3.495	28.1	6.81	3.51	4.19	32.15	0.43	43.4
3.521	28.1	6.81	3.55	4.19	32.44	0.39	43.4
3.547	28.1	6.81	3.7	4.19	31.39	0.31	43.4
3.577	28.1	6.81	3.51	4.17	29.77	0.45	43.4
3.611	28.1	6.81	3.32	4.16	29.53	0.39	43.4
3.628	28.1	6.81	3.47	4.15	30.45	0.27	43.4
3.635	28.1	6.81	3.62	4.15	29.22	0.47	43.4
3.669	28.1	6.81	3.2	4.16	27.46	0.52	43.4
3.72	28.1	6.81	3.32	4.17	26.56	0.45	43.4
3.774	28.1	6.81	3.59	4.18	26.12	0.47	43.41

3.815	28.1	6.81	3.62	4.2	25.97	0.4	43.4
3.835	28.1	6.81	3.51	4.22	25.12	0.34	43.4
3.861	28.11	6.81	3.2	4.25	23.94	0.63	43.41
3.903	28.11	6.81	3.59	4.26	23.41	0.48	43.41
3.942	28.11	6.81	3.36	4.27	22.85	0.41	43.41
3.987	28.11	6.81	3.43	4.27	22.08	0.56	43.41
4.021	28.11	6.81	3.32	4.28	21.71	0.4	43.41
4.036	28.11	6.81	3.28	4.28	21.31	0.49	43.42
4.062	28.12	6.82	3.32	4.29	20.67	0.63	43.43
4.108	28.12	6.82	3.7	4.3	19.95	0.67	43.43
4.161	28.12	6.82	3.7	4.31	19.3	0.63	43.43
4.204	28.13	6.82	3.55	4.33	18.75	0.53	43.43
4.231	28.13	6.82	3.28	4.35	18.43	0.66	43.43
4.25	28.13	6.82	3.09	4.37	18.24	0.65	43.43
4.274	28.13	6.82	3.43	4.38	17.82	0.77	43.43
4.323	28.13	6.82	3.32	4.39	17.03	0.76	43.43
4.373	28.14	6.82	3.32	4.39	16.57	0.64	43.43
4.414	28.14	6.82	3.43	4.4	16.1	0.78	43.43
4.44	28.14	6.82	3.13	4.41	15.9	0.68	43.43
4.463	28.14	6.82	3.28	4.41	15.44	0.79	43.44
4.505	28.14	6.82	3.17	4.42	14.91	0.87	43.45
4.55	28.14	6.82	3.2	4.43	14.67	0.75	43.45
4.57	28.15	6.82	3.36	4.45	14.72	0.72	43.45
4.585	28.15	6.82	3.32	4.45	14.15	0.87	43.45
4.637	28.15	6.82	3.47	4.46	13.42	0.92	43.45
4.701	28.15	6.83	3.97	4.47	13.03	0.85	43.45
4.74	28.16	6.83	3.36	4.48	13.03	0.66	43.45
4.758	28.16	6.83	3.28	4.49	12.79	0.82	43.48
4.784	28.17	6.83	3.4	4.5	12.31	0.94	43.49
4.828	28.18	6.83	3.78	4.5	11.87	0.93	43.49
4.885	28.19	6.84	3.47	4.51	11.42	0.91	43.5
4.941	28.2	6.84	3.74	4.52	11.2	0.84	43.51
4.966	28.21	6.84	3.51	4.53	11.32	0.69	43.51
4.968	28.22	6.84	3.62	4.54	11.13	0.83	43.52
4.992	28.23	6.84	3.43	4.55	10.78	1.02	43.53
5.048	28.23	6.85	3.32	4.55	10.35	0.9	43.53
5.108	28.24	6.85	3.17	4.56	10.12	0.86	43.54
5.144	28.25	6.85	3.28	4.57	10.08	0.7	43.54
5.178	28.25	6.85	3.2	4.58	9.72	0.95	43.55
5.234	28.26	6.85	3.2	4.58	9.35	1.0	43.55
5.291	28.26	6.85	3.51	4.57	9.15	0.85	43.55
5.324	28.27	6.85	3.36	4.57	9.1	0.78	43.55
5.341	28.27	6.85	3.24	4.58	9.02	0.78	43.55
5.363	28.27	6.85	3.05	4.59	8.87	0.92	43.56
5.411	28.27	6.85	3.09	4.6	8.57	0.97	43.56
5.483	28.27	6.86	3.2	4.61	8.19	1.01	43.57
5.556	28.27	6.86	3.09	4.62	8.02	0.94	43.57
5.599	28.27	6.86	3.17	4.64	8.0	0.8	43.57
5.609	28.28	6.86	3.2	4.65	8.0	0.74	43.57
5.634	28.28	6.86	3.43	4.66	7.81	1.04	43.57
5.702	28.28	6.86	3.43	4.67	7.51	1.0	43.57
5.779	28.28	6.86	3.05	4.66	7.31	0.99	43.58
5.802	28.28	6.86	3.13	4.68	7.38	0.98	43.58
5.837	28.28	6.86	3.01	4.67	7.14	1.18	43.58
5.935	28.28	6.86	3.55	4.66	6.84	7.1	43.58
6.034	28.28	6.86	3.55	4.66	6.69	8.74	43.6
6.103	28.29	6.86	3.85	4.65	6.58	10.85	43.59
6.144	28.29	6.86	3.59	4.64	6.49	10.59	43.59

6.189	28.29	6.86	3.51	4.62	6.37	10.26	43.59
6.265	28.3	6.86	4.08	4.58	6.16	11.78	43.59
6.358	28.3	6.86	4.23	4.54	6.0	12.19	43.59
6.434	28.3	6.86	4.54	4.49	5.95	8.34	43.58
6.476	28.3	6.86	4.46	4.44	5.9	11.79	43.57
6.502	28.29	6.86	4.46	4.39	5.84	9.94	43.58
6.545	28.29	6.86	4.39	4.35	5.77	10.53	43.6
6.602	28.29	6.86	4.46	4.29	5.57	11.49	43.59
6.606	28.29	6.86	4.46	4.26	5.53	10.79	43.6



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	28.05	6.78	0.04	2.39	5.86	-0.04	43.16
PROF (metros)	4.848	0.342	0.266	6.412	6.355	1.623	1.071
MÁXIMO	28.27	28.27	4.35	4.29	646.01	6.82	43.49
PROF (metros)	6.083	5.657	0.348	0.266	0.286	6.412	6.411

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.13	6.78	2.92	3.95	273.51	0.28	43.18
1 - 2m	28.11	6.78	3.16	3.86	62.54	0.0	43.17
2 - 3m	28.09	6.78	3.25	3.89	41.03	0.09	43.18
3 - 4m	28.08	6.78	3.26	3.84	27.99	0.26	43.19
4 - 5m	28.06	6.78	3.28	3.77	15.13	0.36	43.2
5 - 6m	28.14	6.81	3.3	3.64	8.76	0.57	43.34
6 - 7m	28.27	6.84	3.69	2.71	6.09	1.7	43.48

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 0 - 1m, 1 - 2m, 2 - 3m, 3 - 4m, 4 - 5m, 5 - 6m, 6 - 7m con los valores 3.95, 3.86, 3.89, 3.84, 3.77, 3.64, 2.71 respectivamente.

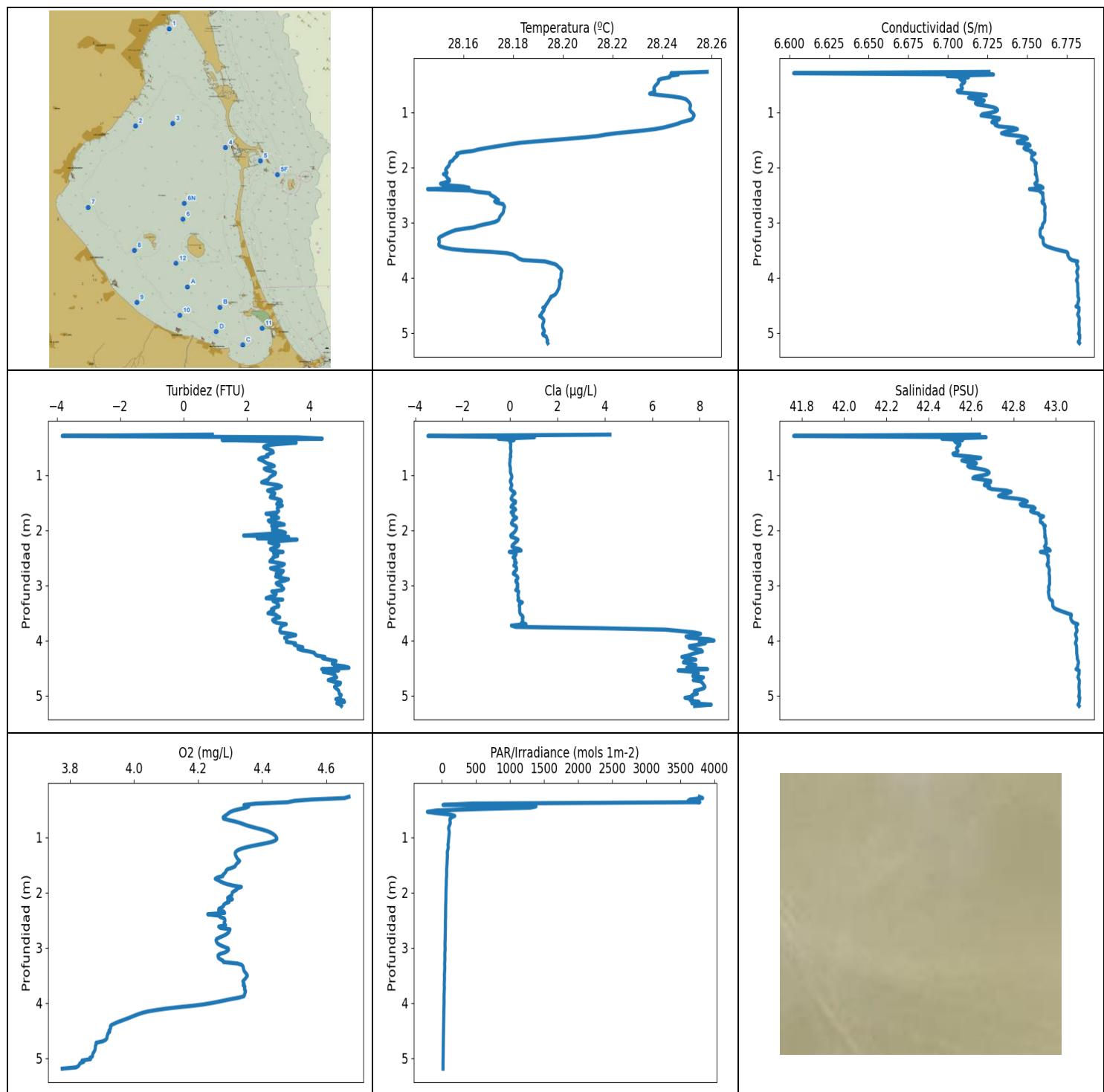
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.266	28.14	6.79	0.04	4.29	643.32	4.86	43.19
0.286	28.14	6.79	1.75	4.08	646.01	0.06	43.18
0.292	28.13	6.79	1.22	4.04	636.65	0.09	43.18
0.334	28.13	6.79	3.62	4.0	617.75	0.04	43.19
0.342	28.12	6.78	4.31	3.93	612.76	0.09	43.19
0.348	28.12	6.78	4.35	3.92	592.65	0.09	43.18
0.427	28.12	6.78	2.86	3.92	550.28	0.06	43.18
0.544	28.12	6.78	2.56	3.9	127.86	0.07	43.18
0.624	28.12	6.78	2.98	3.89	136.56	0.05	43.18
0.649	28.12	6.78	3.01	3.91	107.96	0.08	43.19
0.669	28.12	6.78	3.09	3.92	121.42	0.07	43.18
0.717	28.12	6.78	3.28	3.94	98.1	0.08	43.18
0.768	28.12	6.78	3.09	3.95	92.92	0.06	43.17
0.784	28.12	6.78	3.09	3.95	112.77	0.01	43.18
0.804	28.12	6.78	3.36	3.93	91.36	0.04	43.18
0.846	28.12	6.78	3.28	3.92	97.88	0.04	43.17
0.896	28.13	6.78	3.01	3.9	103.4	0.01	43.17
0.939	28.12	6.78	3.2	3.9	90.48	0.06	43.17
0.965	28.12	6.78	3.01	3.9	84.56	0.03	43.17
0.973	28.12	6.78	2.79	3.9	88.92	0.04	43.17
0.99	28.12	6.78	3.32	3.9	90.0	-0.01	43.18
1.028	28.12	6.78	3.32	3.9	81.88	0.04	43.17
1.071	28.13	6.78	3.24	3.91	75.92	-0.02	43.16
1.108	28.13	6.78	3.13	3.91	77.45	0.02	43.17
1.139	28.12	6.78	3.17	3.91	76.43	-0.0	43.17
1.164	28.12	6.78	3.13	3.9	75.73	0.01	43.17
1.183	28.12	6.78	3.17	3.88	75.76	0.0	43.17
1.21	28.12	6.78	3.13	3.86	71.75	-0.01	43.17
1.244	28.12	6.78	3.17	3.85	68.89	0.02	43.17
1.281	28.12	6.78	3.2	3.84	67.96	0.04	43.17
1.31	28.12	6.78	2.98	3.83	67.22	0.03	43.16

1.337	28.12	6.78	3.28	3.82	67.41	0.02	43.17
1.375	28.12	6.78	3.17	3.81	64.61	-0.02	43.17
1.411	28.12	6.78	3.28	3.81	62.85	-0.02	43.17
1.429	28.12	6.78	3.13	3.82	63.84	0.02	43.17
1.44	28.12	6.78	3.05	3.83	63.63	-0.01	43.18
1.464	28.11	6.78	3.09	3.83	61.09	-0.01	43.18
1.496	28.11	6.78	3.09	3.85	60.23	0.01	43.17
1.526	28.11	6.78	3.09	3.86	59.6	0.01	43.17
1.553	28.11	6.78	3.05	3.87	57.66	-0.01	43.17
1.581	28.11	6.78	3.17	3.89	56.09	-0.01	43.18
1.623	28.11	6.78	3.32	3.88	56.57	-0.04	43.18
1.667	28.11	6.78	3.13	3.88	56.72	-0.0	43.17
1.689	28.11	6.78	3.17	3.86	53.89	-0.01	43.17
1.7	28.11	6.78	3.2	3.86	52.87	-0.0	43.19
1.743	28.11	6.78	3.32	3.85	52.46	0.03	43.18
1.804	28.1	6.78	3.2	3.85	50.76	-0.0	43.18
1.865	28.1	6.78	3.09	3.85	49.7	-0.02	43.18
1.883	28.1	6.78	3.32	3.86	49.27	-0.01	43.18
1.909	28.1	6.78	3.05	3.86	49.65	0.01	43.18
1.973	28.1	6.78	3.13	3.86	48.21	-0.0	43.18
2.034	28.1	6.78	3.2	3.86	45.69	0.03	43.18
2.068	28.1	6.78	3.09	3.86	44.38	0.02	43.18
2.078	28.09	6.78	3.24	3.88	44.87	-0.02	43.18
2.095	28.09	6.78	3.17	3.89	45.7	-0.03	43.18
2.131	28.09	6.78	3.13	3.9	45.22	0.02	43.18
2.163	28.09	6.78	3.13	3.89	44.36	0.01	43.18
2.185	28.09	6.78	3.28	3.88	43.38	0.01	43.18
2.202	28.09	6.78	3.2	3.86	43.64	-0.01	43.18
2.234	28.09	6.78	3.32	3.84	44.2	0.01	43.18
2.295	28.09	6.78	3.2	3.83	43.24	0.02	43.18
2.353	28.09	6.78	3.13	3.82	41.18	0.01	43.18
2.38	28.09	6.78	3.28	3.82	41.88	-0.01	43.18
2.389	28.09	6.78	3.55	3.82	43.15	0.01	43.19
2.43	28.09	6.78	3.17	3.82	42.54	0.18	43.18
2.479	28.09	6.78	3.2	3.84	40.41	0.16	43.18
2.5	28.08	6.78	3.32	3.87	40.33	0.1	43.18
2.512	28.08	6.78	3.24	3.89	41.24	0.1	43.19
2.557	28.08	6.78	3.13	3.9	40.62	0.31	43.19
2.605	28.08	6.78	3.2	3.92	38.84	0.2	43.18
2.637	28.08	6.78	3.66	3.92	38.05	0.21	43.18
2.656	28.08	6.78	3.62	3.94	38.93	0.13	43.19
2.69	28.08	6.78	3.28	3.96	39.82	0.17	43.19
2.741	28.08	6.78	2.94	3.97	38.26	0.19	43.18
2.793	28.08	6.78	3.05	3.97	36.31	0.18	43.18
2.831	28.08	6.78	3.17	3.97	35.6	0.15	43.18
2.856	28.08	6.78	3.36	3.96	36.2	0.1	43.19
2.88	28.08	6.78	3.24	3.94	38.0	0.08	43.19
2.918	28.08	6.78	3.05	3.92	38.07	0.19	43.19
2.967	28.08	6.78	3.55	3.89	35.65	0.22	43.19
3.008	28.08	6.78	3.55	3.87	34.06	0.18	43.18
3.034	28.08	6.78	3.24	3.85	34.6	0.14	43.18
3.055	28.08	6.78	3.13	3.84	35.46	0.12	43.19
3.077	28.08	6.78	3.17	3.83	35.6	0.25	43.19
3.111	28.08	6.78	3.51	3.83	34.44	0.23	43.19
3.149	28.08	6.78	3.28	3.83	33.18	0.26	43.19
3.178	28.08	6.78	3.4	3.82	32.98	0.18	43.18
3.199	28.08	6.78	3.05	3.83	33.35	0.15	43.19
3.225	28.08	6.78	3.43	3.83	33.25	0.31	43.19

3.263	28.08	6.78	3.4	3.84	32.05	0.22	43.19
3.321	28.08	6.78	3.43	3.84	30.12	0.16	43.19
3.383	28.08	6.78	3.28	3.85	29.14	0.35	43.19
3.423	28.08	6.78	3.01	3.86	28.97	0.22	43.19
3.438	28.08	6.78	3.47	3.87	28.95	0.12	43.19
3.457	28.08	6.78	3.62	3.86	28.79	0.44	43.2
3.496	28.08	6.78	3.32	3.86	27.93	0.3	43.2
3.554	28.08	6.78	3.17	3.86	26.51	0.22	43.2
3.599	28.08	6.78	3.01	3.85	26.04	0.18	43.2
3.614	28.08	6.78	3.01	3.84	26.04	0.13	43.2
3.619	28.08	6.78	2.98	3.82	26.21	0.3	43.2
3.652	28.08	6.78	2.86	3.8	25.24	0.32	43.2
3.708	28.08	6.78	3.13	3.79	24.08	0.23	43.2
3.749	28.08	6.78	2.94	3.79	23.43	0.43	43.2
3.765	28.08	6.78	3.32	3.79	23.21	0.21	43.2
3.774	28.08	6.78	3.62	3.8	23.27	0.44	43.2
3.792	28.08	6.78	3.55	3.82	23.13	0.43	43.2
3.818	28.08	6.78	3.43	3.85	23.05	0.22	43.2
3.85	28.07	6.78	3.17	3.87	22.29	0.24	43.2
3.888	28.07	6.78	3.28	3.88	21.34	0.41	43.2
3.934	28.07	6.78	3.13	3.88	20.57	0.37	43.2
3.979	28.07	6.78	3.28	3.87	20.34	0.18	43.2
4.009	28.07	6.78	3.05	3.84	20.18	0.3	43.2
4.029	28.07	6.78	3.47	3.83	19.84	0.5	43.2
4.054	28.07	6.78	3.09	3.82	19.36	0.28	43.2
4.093	28.07	6.78	3.43	3.82	18.73	0.48	43.21
4.145	28.07	6.78	3.4	3.83	17.98	0.47	43.21
4.197	28.07	6.78	3.17	3.83	17.41	0.33	43.2
4.23	28.07	6.78	3.4	3.83	17.66	0.29	43.2
4.233	28.07	6.78	3.51	3.84	17.74	0.39	43.2
4.239	28.07	6.78	3.2	3.83	17.12	0.54	43.2
4.279	28.07	6.78	3.51	3.82	16.43	0.48	43.2
4.328	28.07	6.78	3.51	3.81	16.29	0.23	43.2
4.354	28.07	6.78	3.32	3.81	16.25	0.24	43.2
4.367	28.07	6.78	3.13	3.81	15.77	0.48	43.2
4.38	28.07	6.78	3.32	3.81	15.52	0.29	43.2
4.402	28.07	6.78	3.05	3.8	15.31	0.54	43.2
4.434	28.06	6.78	3.4	3.79	15.23	0.49	43.2
4.455	28.06	6.78	3.2	3.76	15.29	0.21	43.2
4.457	28.06	6.78	3.36	3.76	14.93	0.52	43.2
4.503	28.06	6.78	3.36	3.75	14.09	0.44	43.2
4.566	28.06	6.78	3.17	3.74	13.72	0.37	43.2
4.61	28.06	6.78	3.43	3.74	13.65	0.18	43.2
4.633	28.06	6.78	3.09	3.74	13.52	0.11	43.2
4.652	28.06	6.78	3.2	3.73	13.09	0.25	43.2
4.682	28.06	6.78	3.47	3.73	12.62	0.3	43.2
4.735	28.06	6.78	3.09	3.71	12.24	0.44	43.2
4.79	28.06	6.78	3.2	3.7	12.02	0.26	43.2
4.826	28.06	6.78	3.28	3.68	11.92	0.28	43.2
4.848	28.05	6.78	3.28	3.66	11.76	0.32	43.2
4.871	28.05	6.78	3.17	3.65	11.5	0.4	43.2
4.915	28.05	6.78	3.2	3.64	11.07	0.41	43.21
4.963	28.05	6.78	3.24	3.65	10.86	0.38	43.21
5.004	28.05	6.78	3.13	3.66	10.68	0.19	43.21
5.028	28.05	6.78	3.43	3.67	10.57	0.36	43.21
5.044	28.05	6.78	3.2	3.69	10.52	0.41	43.21
5.056	28.05	6.78	3.17	3.7	10.42	0.41	43.21
5.076	28.05	6.78	3.36	3.72	10.25	0.41	43.21

5.105	28.06	6.78	3.24	3.73	10.08	0.53	43.21
5.141	28.06	6.78	3.4	3.74	9.93	0.51	43.22
5.168	28.06	6.78	3.13	3.75	9.84	0.43	43.22
5.192	28.06	6.78	3.09	3.75	9.67	0.53	43.22
5.215	28.07	6.78	3.13	3.76	9.58	0.46	43.23
5.236	28.08	6.79	3.01	3.76	9.47	0.53	43.24
5.265	28.08	6.79	3.74	3.76	9.28	0.59	43.27
5.3	28.09	6.79	3.32	3.76	9.11	0.51	43.27
5.324	28.1	6.79	3.24	3.76	9.09	0.5	43.28
5.339	28.11	6.8	3.09	3.77	9.03	0.52	43.31
5.356	28.13	6.81	3.24	3.76	8.84	0.58	43.34
5.384	28.14	6.81	3.36	3.77	8.71	0.68	43.35
5.414	28.15	6.81	3.4	3.76	8.63	0.59	43.34
5.439	28.15	6.81	3.4	3.76	8.55	0.58	43.37
5.468	28.17	6.82	3.55	3.75	8.37	0.61	43.39
5.506	28.18	6.82	3.32	3.73	8.23	0.65	43.41
5.534	28.19	6.82	3.43	3.71	8.18	0.58	43.41
5.547	28.2	6.83	3.4	3.68	8.18	0.61	43.43
5.56	28.21	6.83	3.51	3.65	8.05	0.69	43.45
5.583	28.23	6.83	3.36	3.62	7.95	0.66	43.45
5.617	28.23	6.83	3.28	3.58	7.8	0.71	43.45
5.657	28.24	6.84	3.2	3.54	7.65	0.69	43.46
5.695	28.24	6.84	2.98	3.49	7.53	0.71	43.46
5.731	28.25	6.84	3.32	3.44	7.39	0.73	43.47
5.788	28.25	6.84	3.32	3.38	7.11	0.81	43.47
5.869	28.26	6.84	3.17	3.31	6.91	0.8	43.47
5.941	28.26	6.84	3.4	3.23	6.76	0.67	43.47
5.993	28.26	6.84	3.62	3.15	6.66	0.65	43.48
6.036	28.26	6.84	3.32	3.07	6.54	0.7	43.48
6.083	28.27	6.84	3.32	2.99	6.44	0.77	43.48
6.145	28.27	6.84	3.59	2.9	6.27	0.81	43.48
6.216	28.27	6.84	3.47	2.82	6.12	0.78	43.48
6.276	28.27	6.84	3.85	2.75	6.07	0.73	43.48
6.311	28.27	6.84	3.97	2.69	6.06	0.69	43.48
6.329	28.27	6.84	3.78	2.63	5.99	0.7	43.48
6.355	28.27	6.84	3.7	2.57	5.86	0.74	43.48
6.39	28.27	6.84	4.08	2.52	5.88	0.67	43.48
6.411	28.27	6.84	3.7	2.44	5.9	5.33	43.49
6.412	28.27	6.84	3.78	2.39	5.89	6.82	43.49



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m⁻²)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	28.15	6.7	0.92	3.78	14.33	-0.01	42.44
PROF (metros)	1.897	0.29	0.27	5.185	5.178	0.392	0.29
MÁXIMO	28.26	28.26	5.61	4.67	3780.6	8.71	43.11
PROF (metros)	0.27	3.545	0.328	0.27	0.27	3.997	4.411

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.24	6.72	2.59	4.43	1437.17	0.57	42.57
1 - 2m	28.19	6.74	2.89	4.32	73.11	0.12	42.83
2 - 3m	28.17	6.76	2.95	4.28	51.0	0.22	42.96
3 - 4m	28.17	6.77	3.02	4.32	36.82	1.94	43.04
4 - 5m	28.19	6.78	4.46	3.96	22.7	7.79	43.1
5 - 6m	28.19	6.78	5.0	3.82	15.56	7.76	43.11

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 4 - 5m, 5 - 6m con los valores 3.96, 3.82 respectivamente.

CLOROFILA elevada en la(s) columna(s) de agua 4 - 5m, 5 - 6m con los valores 7.79, 7.76 respectivamente

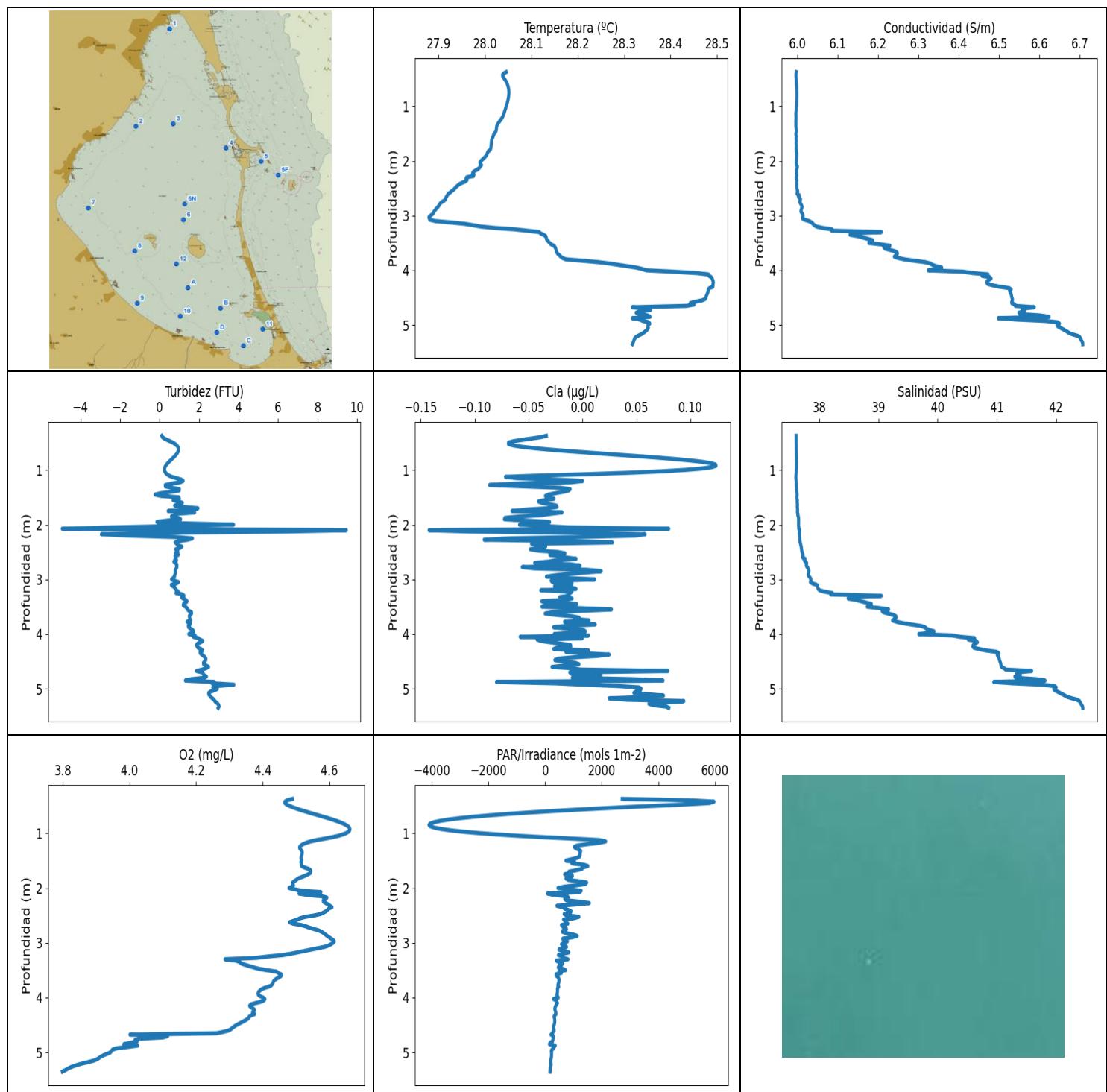
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.27	28.26	6.73	0.92	4.67	3780.6	4.22	42.64
0.289	28.25	6.73	3.13	4.66	3739.7	3.89	42.67
0.29	28.25	6.7	1.45	4.66	3764.9	2.09	42.44
0.314	28.25	6.71	1.07	4.57	3651.4	0.36	42.55
0.328	28.24	6.71	5.61	4.53	3667.6	0.1	42.55
0.359	28.24	6.71	1.72	4.48	3672.7	0.07	42.54
0.385	28.24	6.71	2.37	4.44	2363.9	0.01	42.54
0.392	28.24	6.71	3.09	4.39	764.04	-0.01	42.52
0.427	28.24	6.71	3.32	4.35	667.16	0.02	42.54
0.505	28.24	6.71	2.56	4.32	166.18	0.02	42.53
0.599	28.24	6.71	2.82	4.29	159.95	0.03	42.53
0.644	28.24	6.71	2.63	4.28	139.37	0.02	42.52
0.667	28.23	6.72	2.67	4.28	117.65	0.04	42.59
0.697	28.24	6.72	2.4	4.3	115.25	0.01	42.65
0.737	28.25	6.71	2.48	4.33	122.61	0.0	42.56
0.796	28.25	6.72	2.67	4.36	106.25	-0.01	42.63
0.846	28.25	6.72	2.86	4.39	97.27	0.0	42.58
0.888	28.25	6.72	2.56	4.41	105.17	0.02	42.64
0.946	28.25	6.73	2.86	4.43	104.56	0.01	42.68
1.01	28.25	6.73	2.82	4.45	99.48	0.07	42.65
1.059	28.25	6.72	2.71	4.44	94.91	0.07	42.61
1.1	28.25	6.73	2.63	4.42	93.57	0.02	42.68
1.138	28.25	6.73	2.48	4.39	87.39	0.02	42.69
1.176	28.25	6.73	2.9	4.36	91.96	0.08	42.66
1.22	28.25	6.73	3.09	4.33	87.43	0.05	42.69
1.25	28.24	6.73	2.9	4.32	80.22	0.02	42.68
1.278	28.24	6.74	2.67	4.32	77.13	0.05	42.75
1.324	28.23	6.74	2.86	4.32	79.08	0.21	42.78
1.371	28.22	6.73	2.82	4.32	78.3	0.11	42.73
1.408	28.22	6.74	2.75	4.33	76.79	0.08	42.76
1.431	28.21	6.74	2.94	4.33	76.1	0.05	42.81
1.451	28.21	6.75	3.05	4.33	74.56	0.07	42.85
1.487	28.2	6.75	3.09	4.32	73.48	0.25	42.86
1.529	28.19	6.74	2.94	4.32	71.25	0.14	42.83

1.556	28.18	6.74	3.13	4.31	69.41	0.08	42.84
1.581	28.18	6.75	3.01	4.29	68.19	0.04	42.89
1.617	28.17	6.75	2.98	4.29	68.05	0.24	42.89
1.658	28.17	6.75	3.01	4.28	68.13	0.12	42.88
1.692	28.16	6.75	2.82	4.28	68.05	0.07	42.91
1.714	28.16	6.75	2.71	4.27	67.41	0.18	42.92
1.723	28.16	6.75	3.01	4.27	67.72	0.14	42.91
1.732	28.16	6.75	2.86	4.26	66.25	0.1	42.93
1.771	28.16	6.75	2.98	4.26	64.04	0.27	42.93
1.824	28.16	6.75	2.71	4.28	62.37	0.12	42.93
1.863	28.16	6.75	2.86	4.3	62.4	0.08	42.93
1.885	28.16	6.75	2.94	4.32	62.58	0.11	42.94
1.897	28.15	6.75	2.86	4.33	62.52	0.18	42.94
1.9	28.15	6.75	3.13	4.34	61.63	0.12	42.94
1.907	28.15	6.76	3.01	4.33	60.8	0.13	42.95
1.936	28.15	6.76	2.9	4.32	59.63	0.26	42.95
1.997	28.15	6.76	2.79	4.31	58.79	0.25	42.95
2.065	28.15	6.76	2.98	4.3	57.7	0.12	42.95
2.119	28.15	6.76	2.71	4.3	57.21	0.03	42.95
2.142	28.15	6.76	2.98	4.3	57.05	0.16	42.95
2.143	28.15	6.76	2.75	4.3	57.08	0.17	42.95
2.155	28.15	6.76	2.79	4.3	56.51	0.27	42.95
2.203	28.15	6.76	2.94	4.28	54.97	0.29	42.95
2.263	28.15	6.76	2.98	4.28	53.58	0.13	42.95
2.33	28.15	6.76	2.82	4.27	52.52	0.22	42.95
2.386	28.16	6.76	2.98	4.26	52.42	0.26	42.95
2.411	28.16	6.76	3.01	4.26	52.81	0.12	42.95
2.412	28.16	6.76	2.98	4.26	53.07	0.18	42.96
2.419	28.16	6.76	2.86	4.27	53.51	0.26	42.96
2.454	28.17	6.76	3.01	4.27	52.13	0.26	42.96
2.499	28.17	6.76	2.82	4.28	50.55	0.13	42.96
2.533	28.17	6.76	2.82	4.28	49.97	0.24	42.96
2.564	28.17	6.76	2.71	4.28	49.63	0.18	42.96
2.608	28.17	6.76	3.13	4.28	50.16	0.26	42.96
2.648	28.17	6.76	3.09	4.28	50.24	0.2	42.96
2.652	28.18	6.76	3.05	4.3	50.15	0.25	42.97
2.66	28.18	6.76	3.01	4.3	49.84	0.26	42.97
2.7	28.18	6.76	2.75	4.3	49.21	0.28	42.97
2.754	28.18	6.76	3.2	4.29	48.3	0.2	42.97
2.799	28.18	6.76	2.94	4.27	47.37	0.15	42.97
2.825	28.18	6.76	3.09	4.26	47.26	0.26	42.97
2.845	28.18	6.76	2.9	4.26	47.41	0.31	42.97
2.884	28.17	6.76	3.28	4.26	45.69	0.33	42.97
2.927	28.17	6.76	3.13	4.26	43.83	0.24	42.97
2.964	28.17	6.76	2.94	4.27	43.88	0.31	42.97
2.991	28.17	6.76	2.98	4.28	45.05	0.33	42.97
3.021	28.17	6.76	3.13	4.3	46.41	0.3	42.97
3.058	28.17	6.76	3.13	4.29	45.02	0.32	42.97
3.087	28.16	6.76	3.17	4.28	42.89	0.23	42.97
3.104	28.16	6.76	2.82	4.27	41.17	0.34	42.97
3.124	28.16	6.76	2.86	4.27	41.12	0.36	42.96
3.159	28.16	6.76	2.94	4.26	42.42	0.34	42.97
3.206	28.15	6.76	2.79	4.27	43.42	0.34	42.97
3.252	28.15	6.76	2.82	4.28	40.98	0.36	42.97
3.277	28.15	6.76	3.2	4.3	39.05	0.32	42.98
3.285	28.15	6.76	2.9	4.32	38.37	0.34	42.98
3.303	28.15	6.76	2.86	4.33	38.8	0.49	42.99
3.34	28.15	6.76	2.98	4.34	40.45	0.43	42.98

3.385	28.15	6.76	3.01	4.34	40.32	0.39	42.99
3.434	28.15	6.76	2.79	4.35	37.91	0.41	43.0
3.478	28.15	6.77	2.82	4.35	35.69	0.4	43.03
3.506	28.16	6.77	2.63	4.35	35.34	0.42	43.05
3.526	28.17	6.77	2.9	4.35	35.84	0.44	43.07
3.545	28.17	6.78	2.9	4.35	36.74	0.49	43.07
3.573	28.18	6.78	3.05	4.35	36.41	0.56	43.07
3.615	28.18	6.78	2.86	4.34	34.83	0.51	43.07
3.663	28.18	6.78	2.86	4.34	33.27	0.53	43.08
3.688	28.19	6.78	3.01	4.34	32.75	0.51	43.09
3.699	28.19	6.78	3.2	4.34	33.93	0.65	43.1
3.724	28.19	6.78	3.17	4.35	34.97	0.38	43.1
3.758	28.2	6.78	3.09	4.35	34.24	0.28	43.09
3.79	28.2	6.78	3.05	4.35	32.81	5.15	43.1
3.827	28.2	6.78	3.05	4.35	31.36	7.07	43.1
3.867	28.2	6.78	3.17	4.34	30.16	7.94	43.1
3.896	28.2	6.78	3.55	4.34	29.89	7.97	43.09
3.918	28.2	6.78	3.47	4.32	30.66	7.62	43.09
3.953	28.2	6.78	3.2	4.29	30.98	7.49	43.1
3.997	28.2	6.78	3.28	4.25	30.08	8.71	43.1
4.033	28.2	6.78	3.28	4.21	29.01	7.96	43.09
4.061	28.2	6.78	3.59	4.17	28.3	8.3	43.09
4.088	28.2	6.78	3.47	4.12	27.8	7.76	43.1
4.12	28.2	6.78	3.78	4.08	27.74	7.57	43.1
4.152	28.2	6.78	3.62	4.05	27.29	7.72	43.1
4.19	28.2	6.78	3.85	4.02	26.61	8.15	43.1
4.233	28.2	6.78	4.16	4.0	25.92	7.8	43.1
4.279	28.2	6.78	4.23	3.98	25.03	7.49	43.1
4.314	28.2	6.78	4.5	3.97	24.62	7.29	43.1
4.33	28.2	6.78	4.39	3.96	24.62	7.65	43.1
4.341	28.2	6.78	4.46	3.95	24.5	7.89	43.1
4.365	28.2	6.78	4.77	3.94	23.96	7.56	43.1
4.411	28.19	6.78	4.73	3.93	23.3	7.4	43.11
4.465	28.19	6.78	4.96	3.93	22.99	7.82	43.1
4.512	28.19	6.78	4.92	3.92	22.34	7.77	43.1
4.54	28.19	6.78	4.5	3.92	21.9	7.87	43.1
4.544	28.19	6.78	4.81	3.92	21.76	7.36	43.11
4.556	28.19	6.78	4.69	3.92	21.34	7.25	43.11
4.598	28.19	6.78	4.65	3.92	20.74	7.95	43.11
4.651	28.19	6.78	4.81	3.91	20.39	7.75	43.11
4.687	28.19	6.78	4.81	3.91	20.08	8.26	43.11
4.705	28.19	6.78	4.65	3.89	20.0	7.85	43.11
4.712	28.19	6.78	4.62	3.89	19.98	7.68	43.11
4.728	28.19	6.78	4.58	3.88	19.71	7.85	43.11
4.77	28.19	6.78	4.96	3.88	19.04	8.12	43.11
4.823	28.19	6.78	4.81	3.88	18.25	8.2	43.11
4.879	28.19	6.78	4.84	3.88	17.48	8.14	43.11
4.936	28.19	6.78	4.92	3.87	16.94	7.75	43.11
4.985	28.19	6.78	4.96	3.87	16.62	7.83	43.11
5.019	28.19	6.78	4.96	3.86	16.61	7.71	43.11
5.031	28.19	6.78	4.96	3.86	16.51	7.75	43.11
5.034	28.19	6.78	5.04	3.85	16.37	7.46	43.11
5.047	28.19	6.78	4.88	3.84	15.99	7.52	43.11
5.084	28.19	6.78	5.0	3.84	15.55	7.56	43.11
5.13	28.19	6.78	5.0	3.83	15.31	7.95	43.11
5.164	28.19	6.78	4.88	3.82	15.35	8.18	43.11
5.174	28.19	6.78	5.11	3.81	15.34	8.46	43.1
5.178	28.19	6.78	5.15	3.79	14.33	7.68	43.11

5.185	28.19	6.78	5.04	3.78	14.89	7.25	43.11
5.192	28.19	6.78	5.0	3.78	14.93	7.8	43.11



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m³)	Salinity (PSU)
MÍNIMO	27.88	6.0	0.11	3.8	171.18	-0.09	37.6
PROF (metros)	2.999	0.372	0.372	5.351	5.351	1.263	1.116
MÁXIMO	28.49	28.49	3.01	4.61	4169.1	0.09	42.45
PROF (metros)	4.117	5.315	5.315	2.336	0.491	5.22	5.351

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	28.04	6.0	0.29	4.48	3445.57	-0.05	37.61
1 - 2m	28.02	6.0	0.89	4.52	1037.84	-0.04	37.63
2 - 3m	27.94	6.0	0.91	4.55	779.04	-0.02	37.73
3 - 4m	28.11	6.17	1.24	4.43	538.83	-0.01	38.79
4 - 5m	28.42	6.52	2.16	4.25	326.69	-0.0	40.98
5 - 6m	28.33	6.69	2.75	3.86	198.86	0.06	42.28

OBSERVACIONES GENERALES

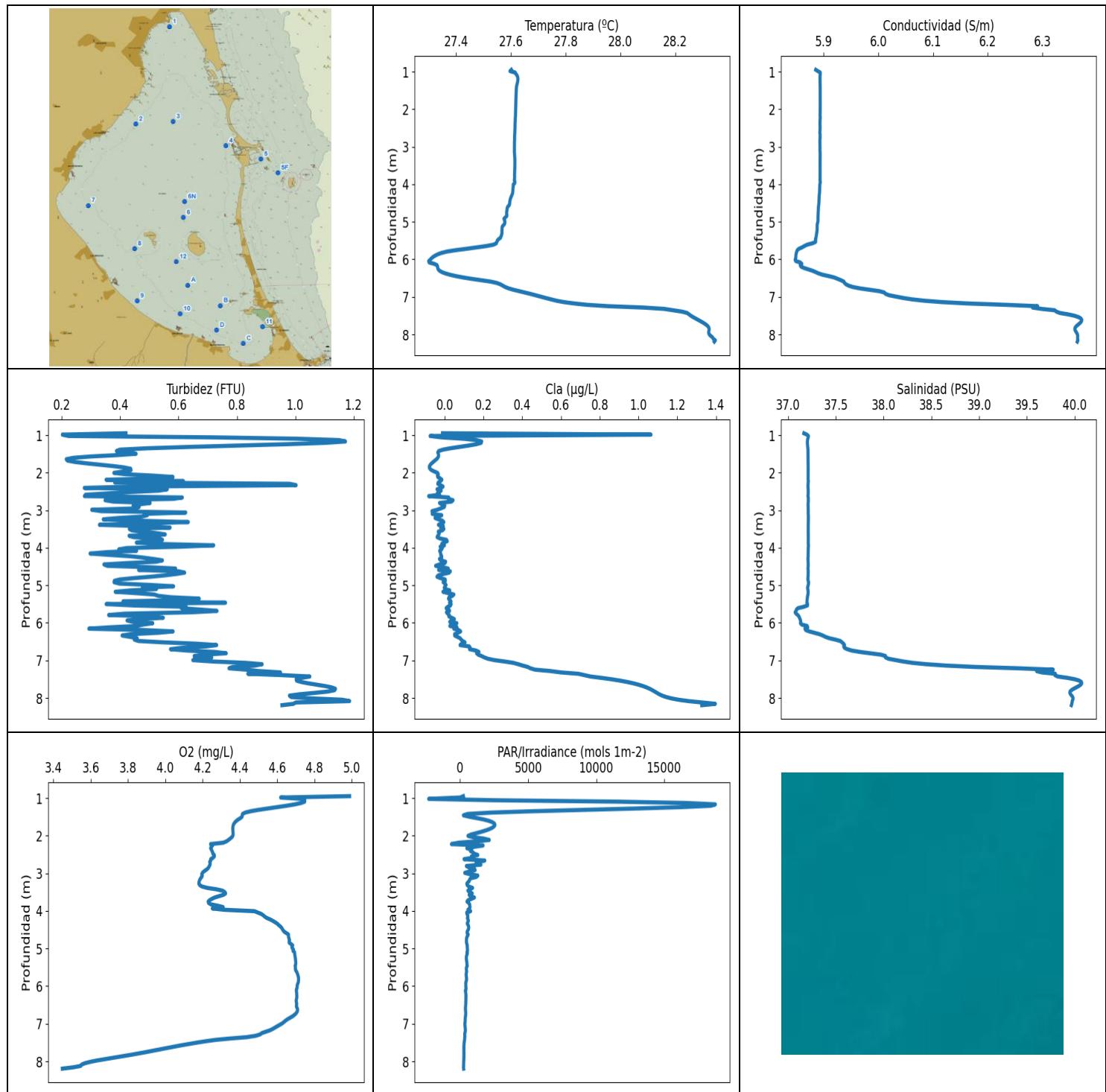
HIPOXIA en la(s) columna(s) de agua 5 - 6m con los valores 3.86 respectivamente.

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.372	28.05	6.0	0.11	4.49	2724.1	-0.03	37.61
0.378	28.04	6.0	0.11	4.48	3443.5	-0.03	37.61
0.491	28.04	6.0	0.65	4.48	4169.1	-0.07	37.61
1.095	28.04	6.0	0.46	4.59	910.36	-0.03	37.61
1.116	28.04	6.0	0.57	4.57	1724.4	-0.07	37.6
1.22	28.04	6.0	1.07	4.52	1159.3	-0.01	37.61
1.263	28.03	6.0	0.38	4.51	1052.8	-0.09	37.61
1.31	28.03	6.0	0.42	4.52	1241.1	-0.03	37.62
1.358	28.03	6.0	1.07	4.52	1233.0	-0.01	37.62
1.475	28.02	6.0	0.15	4.52	917.78	-0.03	37.62
1.504	28.02	6.0	1.11	4.52	759.1	-0.03	37.62
1.528	28.02	6.0	0.92	4.51	1076.9	-0.03	37.63
1.553	28.02	6.0	0.69	4.52	952.89	-0.04	37.63
1.575	28.02	6.0	0.95	4.51	1409.5	-0.04	37.63
1.626	28.01	6.0	1.03	4.53	1295.1	-0.03	37.63
1.658	28.01	6.0	0.8	4.54	1275.2	-0.02	37.63
1.696	28.01	6.0	1.91	4.54	851.38	-0.03	37.63
1.738	28.01	6.0	1.07	4.54	846.27	-0.06	37.63
1.766	28.01	6.0	0.95	4.53	767.41	-0.04	37.63
1.774	28.01	6.0	1.75	4.53	947.83	-0.02	37.63
1.779	28.01	6.0	1.03	4.52	711.07	-0.05	37.64
1.796	28.01	6.0	0.84	4.52	883.34	-0.03	37.64
1.817	28.01	6.0	0.88	4.51	791.26	-0.03	37.64
1.85	28.01	6.0	0.61	4.5	819.82	-0.06	37.65
1.904	28.0	6.0	0.99	4.49	1498.4	-0.07	37.65
1.97	27.99	6.0	0.84	4.49	746.19	-0.03	37.65
2.022	27.99	6.0	1.14	4.49	829.37	-0.04	37.65
2.053	27.99	6.0	1.11	4.5	983.41	-0.05	37.66
2.065	27.99	6.0	2.9	4.52	681.07	-0.03	37.65
2.066	27.99	6.0	0.72	4.53	837.49	0.0	37.65
2.081	27.99	6.0	0.76	4.55	766.35	-0.01	37.66
2.141	27.99	6.0	0.84	4.57	677.29	-0.02	37.67
2.225	27.97	6.0	0.88	4.58	769.55	-0.01	37.67
2.294	27.96	6.0	1.03	4.6	1253.2	-0.04	37.67

2.328	27.97	6.0	0.72	4.6	565.67	-0.01	37.67
2.331	27.98	6.0	0.69	4.6	705.82	-0.05	37.67
2.336	27.97	6.0	0.76	4.61	707.78	-0.06	37.68
2.361	27.96	6.0	0.88	4.6	640.64	-0.04	37.69
2.405	27.95	6.0	1.14	4.59	840.6	-0.03	37.7
2.454	27.94	6.0	0.8	4.58	856.73	-0.05	37.7
2.493	27.94	6.0	0.95	4.56	671.2	-0.03	37.71
2.522	27.93	6.0	0.8	4.53	1178.3	-0.02	37.71
2.55	27.93	6.0	0.95	4.51	1006.0	-0.03	37.73
2.581	27.92	6.0	0.76	4.5	625.24	-0.02	37.72
2.601	27.92	6.0	0.84	4.49	718.19	-0.01	37.72
2.617	27.92	6.0	0.76	4.48	629.02	0.0	37.75
2.636	27.92	6.0	0.88	4.48	951.57	-0.03	37.76
2.653	27.92	6.0	0.84	4.49	723.37	-0.02	37.74
2.674	27.92	6.01	0.72	4.52	575.86	-0.03	37.77
2.708	27.91	6.01	0.84	4.53	649.16	-0.04	37.79
2.742	27.91	6.01	0.88	4.55	767.41	0.01	37.78
2.776	27.9	6.01	0.88	4.57	624.23	-0.06	37.8
2.825	27.9	6.01	0.8	4.58	763.16	0.01	37.82
2.883	27.89	6.01	0.8	4.6	1107.3	-0.0	37.82
2.932	27.89	6.01	0.76	4.61	580.68	-0.03	37.82
2.967	27.89	6.01	0.72	4.61	765.81	-0.02	37.85
2.999	27.88	6.01	0.61	4.61	698.65	0.01	37.86
3.032	27.88	6.01	0.84	4.6	581.89	-0.04	37.86
3.063	27.88	6.01	0.95	4.59	768.13	-0.01	37.86
3.096	27.89	6.03	0.61	4.57	601.78	-0.02	37.95
3.132	27.94	6.04	0.72	4.54	512.13	-0.02	37.97
3.176	27.98	6.04	0.8	4.5	834.58	-0.01	37.98
3.214	28.01	6.05	0.92	4.47	485.09	-0.04	38.05
3.237	28.04	6.07	0.92	4.44	528.04	0.01	38.16
3.255	28.07	6.09	0.88	4.41	673.06	-0.02	38.25
3.275	28.09	6.08	1.14	4.38	617.89	-0.01	38.18
3.282	28.1	6.08	0.95	4.35	557.08	-0.01	38.17
3.287	28.1	6.14	1.07	4.32	709.75	-0.01	38.58
3.316	28.12	6.16	1.14	4.31	490.29	-0.02	38.7
3.361	28.13	6.14	1.26	4.33	572.0	-0.01	38.56
3.415	28.13	6.17	1.37	4.35	521.47	-0.04	38.76
3.467	28.14	6.19	1.18	4.38	547.23	-0.0	38.89
3.503	28.14	6.18	1.33	4.42	686.46	-0.04	38.82
3.519	28.14	6.2	1.37	4.44	469.39	-0.02	38.94
3.535	28.15	6.23	1.41	4.44	588.68	0.02	39.15
3.566	28.15	6.22	1.45	4.45	431.71	0.01	39.09
3.609	28.15	6.22	1.64	4.45	418.03	-0.03	39.11
3.652	28.15	6.24	1.53	4.44	483.19	-0.02	39.26
3.7	28.16	6.25	1.53	4.43	486.11	-0.0	39.3
3.744	28.16	6.24	1.56	4.43	467.22	-0.0	39.24
3.769	28.17	6.25	1.49	4.43	444.81	0.0	39.27
3.78	28.17	6.26	1.33	4.42	458.63	-0.03	39.34
3.796	28.17	6.26	1.53	4.42	480.17	-0.01	39.4
3.819	28.2	6.28	1.56	4.41	448.02	0.01	39.52
3.858	28.25	6.32	1.45	4.39	434.72	-0.02	39.75
3.916	28.3	6.34	1.64	4.39	428.32	-0.0	39.83
3.976	28.34	6.35	1.64	4.39	438.98	-0.01	39.86
4.014	28.37	6.36	1.6	4.4	381.9	-0.01	39.92
4.032	28.41	6.39	1.72	4.41	379.69	-0.03	40.07
4.039	28.43	6.39	1.83	4.42	463.66	-0.03	40.08
4.04	28.45	6.42	1.98	4.42	425.36	-0.0	40.28
4.046	28.46	6.45	1.91	4.41	376.8	-0.03	40.46

4.067	28.47	6.47	1.87	4.4	386.53	-0.01	40.59
4.09	28.48	6.46	1.98	4.39	430.11	-0.03	40.52
4.117	28.49	6.47	2.17	4.37	414.65	-0.04	40.61
4.17	28.49	6.48	1.95	4.36	355.5	-0.02	40.64
4.229	28.49	6.47	1.91	4.38	346.23	-0.01	40.59
4.27	28.49	6.48	2.06	4.37	376.01	-0.03	40.68
4.295	28.49	6.5	2.21	4.37	377.67	-0.0	40.81
4.307	28.49	6.51	2.14	4.38	386.98	0.01	40.85
4.322	28.48	6.52	2.06	4.37	339.32	-0.01	40.97
4.362	28.48	6.53	2.1	4.36	320.44	0.02	41.02
4.418	28.48	6.53	2.29	4.35	337.75	-0.0	41.03
4.485	28.48	6.53	2.33	4.33	324.48	-0.02	41.05
4.556	28.46	6.53	2.25	4.31	291.66	-0.0	41.07
4.616	28.44	6.54	2.44	4.29	298.02	-0.02	41.1
4.655	28.42	6.54	2.17	4.26	288.97	-0.01	41.14
4.664	28.37	6.55	2.14	4.19	306.78	-0.0	41.24
4.666	28.35	6.56	2.06	4.14	279.29	0.02	41.34
4.695	28.35	6.56	2.1	4.09	264.55	0.01	41.39
4.742	28.34	6.56	2.21	4.05	279.81	0.01	41.4
4.807	28.34	6.56	2.14	4.02	239.01	-0.0	41.38
4.867	28.34	6.56	2.02	4.0	253.97	-0.0	41.39
4.902	28.34	6.57	2.4	3.98	267.2	0.01	41.46
4.903	28.35	6.59	2.21	3.97	237.74	0.03	41.6
4.911	28.35	6.63	2.75	3.96	229.3	0.05	41.84
4.947	28.35	6.64	2.98	3.95	243.93	0.03	41.95
4.994	28.35	6.64	2.9	3.94	223.99	0.05	41.97
5.04	28.35	6.65	2.67	3.93	224.51	0.05	42.0
5.087	28.35	6.66	2.48	3.91	221.0	0.05	42.09
5.131	28.34	6.67	2.56	3.9	202.65	0.07	42.16
5.165	28.34	6.68	2.63	3.88	196.91	0.04	42.23
5.192	28.33	6.69	2.75	3.87	198.19	0.02	42.33
5.22	28.33	6.7	2.79	3.85	209.48	0.09	42.39
5.259	28.32	6.7	2.9	3.83	191.11	0.07	42.41
5.315	28.32	6.71	3.01	3.81	174.71	0.07	42.44
5.351	28.32	6.71	2.98	3.8	171.18	0.08	42.45



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

	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m ⁻²)	[Cl a] (mg/m ³)	Salinity (PSU)
MÍNIMO	27.3	5.85	0.08	3.45	247.87	-0.07	37.07
PROF (metros)	6.041	5.725	1.014	8.19	0.949	3.025	5.725
MÁXIMO	28.35	28.35	1.11	4.99	2426.1	1.58	39.98
PROF (metros)	8.161	8.151	2.306	0.949	1.014	0.982	8.003

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

CTD E01-Cast1	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0 - 1m	27.6	5.89	0.25	4.76	461.87	0.51	37.19
1 - 2m	27.62	5.89	0.34	4.54	1165.65	-0.03	37.21
2 - 3m	27.62	5.89	0.48	4.26	969.07	-0.02	37.21
3 - 4m	27.61	5.89	0.47	4.26	728.51	-0.02	37.21
4 - 5m	27.6	5.89	0.46	4.61	551.19	-0.01	37.21
5 - 6m	27.5	5.88	0.53	4.7	489.49	0.02	37.17
6 - 7m	27.47	5.93	0.57	4.69	409.81	0.11	37.55
7 - 8m	28.06	6.26	0.91	4.4	350.41	0.61	39.45
8 - 9m	28.34	6.36	1.0	3.5	268.79	1.35	39.97

OBSERVACIONES GENERALES

HIPOXIA en la(s) columna(s) de agua 8 - 9m con los valores 3.5 respectivamente.

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNAS DE AGUA

Depth (m)	Temp (°C)	Conductivity (S/m)	Turbidity (FTU)	Oxygen (mg/l)	PAR/Irradiance (mols-1m-2)	[Cla] (mg/m3)	Salinity (PSU)
0.949	27.6	5.89	0.42	4.99	247.87	-0.01	37.17
0.982	27.59	5.89	0.23	4.57	252.15	1.58	37.19
0.995	27.62	5.89	0.11	4.72	885.6	-0.03	37.21
1.014	27.62	5.89	0.08	4.73	2426.1	-0.02	37.21
1.016	27.62	5.89	0.11	4.73	970.73	-0.03	37.21
1.052	27.62	5.89	0.65	4.75	615.18	-0.04	37.21
1.41	27.62	5.89	0.38	4.42	964.9	-0.03	37.21
1.489	27.62	5.89	0.46	4.41	577.06	-0.03	37.21
1.565	27.62	5.89	0.3	4.39	1687.6	-0.03	37.21
1.959	27.62	5.89	0.42	4.36	917.99	-0.06	37.21
2.016	27.62	5.89	0.38	4.36	627.42	-0.03	37.21
2.086	27.62	5.89	0.53	4.35	1905.5	-0.04	37.21
2.154	27.62	5.89	0.53	4.33	996.95	-0.02	37.21
2.198	27.62	5.89	0.27	4.3	1095.6	-0.03	37.21
2.211	27.62	5.89	0.3	4.28	2196.4	-0.04	37.21
2.217	27.62	5.89	0.5	4.26	580.68	-0.03	37.21
2.252	27.62	5.89	0.38	4.25	1136.4	-0.03	37.21
2.306	27.62	5.89	1.11	4.24	653.84	-0.03	37.21
2.36	27.62	5.89	0.57	4.25	840.4	-0.01	37.21
2.403	27.62	5.89	0.27	4.25	742.91	-0.02	37.21
2.436	27.62	5.89	0.53	4.25	1019.6	-0.04	37.21
2.461	27.62	5.89	0.57	4.25	681.07	-0.03	37.21
2.491	27.62	5.89	0.5	4.26	1384.5	-0.02	37.21
2.54	27.62	5.89	0.38	4.26	879.26	-0.04	37.21
2.598	27.61	5.89	0.27	4.25	853.75	-0.04	37.21
2.652	27.61	5.89	0.5	4.24	1064.5	-0.03	37.21
2.683	27.61	5.89	0.57	4.24	786.68	-0.02	37.21
2.688	27.61	5.89	0.46	4.23	675.41	-0.03	37.21
2.689	27.61	5.89	0.46	4.24	1306.6	0.01	37.21
2.698	27.61	5.89	0.61	4.24	682.65	-0.01	37.21
2.726	27.61	5.89	0.42	4.24	794.93	0.01	37.21

2.785	27.61	5.89	0.46	4.24	895.3	-0.0	37.21
2.849	27.61	5.89	0.46	4.23	727.07	-0.01	37.21
2.906	27.61	5.89	0.46	4.22	1150.5	-0.0	37.21
2.963	27.61	5.89	0.42	4.2	548.88	-0.03	37.21
3.025	27.61	5.89	0.34	4.2	758.92	-0.07	37.21
3.066	27.61	5.89	0.57	4.2	1081.2	-0.03	37.21
3.08	27.61	5.89	0.38	4.2	524.26	0.01	37.21
3.086	27.61	5.89	0.42	4.2	857.32	-0.03	37.21
3.114	27.61	5.89	0.5	4.19	998.34	-0.04	37.21
3.18	27.61	5.89	0.46	4.18	713.38	-0.04	37.21
3.263	27.61	5.89	0.38	4.18	515.58	-0.02	37.21
3.333	27.61	5.89	0.61	4.19	580.14	-0.01	37.21
3.38	27.61	5.89	0.3	4.22	844.11	-0.03	37.21
3.41	27.61	5.89	0.46	4.25	967.58	-0.02	37.21
3.435	27.61	5.89	0.5	4.29	542.68	-0.0	37.21
3.47	27.61	5.89	0.57	4.31	646.31	-0.03	37.21
3.511	27.61	5.89	0.38	4.32	768.66	0.0	37.21
3.551	27.61	5.89	0.5	4.32	890.74	-0.03	37.21
3.585	27.61	5.89	0.46	4.3	559.41	-0.03	37.21
3.623	27.61	5.89	0.57	4.28	972.98	-0.03	37.21
3.685	27.61	5.89	0.42	4.25	792.72	-0.04	37.21
3.751	27.61	5.89	0.53	4.23	514.63	-0.03	37.21
3.798	27.61	5.89	0.53	4.23	671.66	0.01	37.21
3.847	27.61	5.89	0.46	4.26	710.91	0.0	37.21
3.915	27.61	5.89	0.61	4.29	730.96	-0.01	37.21
3.973	27.61	5.89	0.57	4.34	567.11	-0.03	37.21
3.983	27.61	5.89	0.42	4.43	556.05	-0.05	37.21
3.993	27.61	5.89	0.42	4.46	718.53	-0.03	37.21
4.028	27.61	5.89	0.38	4.49	587.31	-0.01	37.21
4.074	27.61	5.89	0.46	4.51	499.82	-0.03	37.21
4.135	27.61	5.89	0.3	4.53	582.43	-0.02	37.21
4.197	27.61	5.89	0.38	4.55	544.95	-0.02	37.21
4.242	27.61	5.89	0.46	4.57	603.04	-0.01	37.21
4.28	27.6	5.89	0.5	4.58	605.98	-0.02	37.21
4.319	27.6	5.89	0.53	4.6	532.22	-0.03	37.21
4.365	27.6	5.89	0.53	4.61	573.72	0.0	37.21
4.424	27.6	5.89	0.38	4.62	638.12	-0.01	37.21
4.501	27.6	5.89	0.42	4.63	599.41	-0.04	37.21
4.559	27.59	5.89	0.57	4.64	518.7	0.01	37.21
4.582	27.59	5.89	0.46	4.65	508.82	-0.04	37.21
4.606	27.59	5.89	0.53	4.66	573.72	0.0	37.21
4.678	27.59	5.89	0.61	4.66	527.43	0.01	37.21
4.777	27.58	5.89	0.5	4.67	475.08	-0.04	37.21
4.871	27.58	5.89	0.38	4.67	495.2	0.01	37.21
4.901	27.58	5.89	0.38	4.68	525.23	-0.01	37.21
4.965	27.58	5.89	0.42	4.68	530.25	0.0	37.21
5.036	27.58	5.89	0.57	4.69	549.9	0.0	37.21
5.079	27.58	5.89	0.46	4.69	534.32	-0.0	37.2
5.105	27.57	5.89	0.53	4.69	509.88	0.01	37.21
5.13	27.57	5.89	0.46	4.69	534.44	0.03	37.21
5.162	27.57	5.89	0.38	4.69	511.18	-0.0	37.21
5.227	27.57	5.89	0.5	4.7	466.78	0.04	37.21
5.317	27.57	5.89	0.57	4.7	479.39	0.02	37.2
5.395	27.56	5.89	0.61	4.7	508.46	0.03	37.2
5.444	27.56	5.89	0.5	4.7	519.42	0.03	37.2
5.464	27.56	5.89	0.76	4.7	529.14	0.02	37.2
5.493	27.55	5.89	0.42	4.7	489.16	0.03	37.2
5.554	27.55	5.88	0.57	4.7	466.14	0.02	37.19

5.612	27.54	5.87	0.61	4.7	485.21	0.01	37.1
5.67	27.49	5.86	0.72	4.71	453.77	0.03	37.09
5.725	27.43	5.85	0.61	4.71	457.15	0.01	37.07
5.774	27.38	5.85	0.34	4.71	472.55	0.02	37.09
5.833	27.35	5.85	0.53	4.71	480.28	0.02	37.11
5.906	27.32	5.85	0.46	4.71	424.67	0.05	37.13
5.981	27.31	5.85	0.46	4.71	428.42	0.03	37.13
6.041	27.3	5.85	0.5	4.71	436.44	0.06	37.14
6.073	27.3	5.85	0.42	4.7	458.53	0.0	37.18
6.094	27.31	5.86	0.5	4.7	410.16	0.06	37.22
6.128	27.32	5.86	0.3	4.7	396.88	0.05	37.19
6.203	27.33	5.86	0.53	4.7	428.82	0.08	37.19
6.311	27.34	5.88	0.42	4.71	434.93	0.05	37.34
6.406	27.38	5.9	0.46	4.7	424.57	0.08	37.43
6.479	27.42	5.92	0.46	4.7	421.72	0.09	37.54
6.539	27.48	5.93	0.61	4.7	408.26	0.1	37.57
6.584	27.52	5.94	0.72	4.71	396.69	0.07	37.59
6.632	27.55	5.94	0.69	4.71	402.34	0.13	37.58
6.695	27.57	5.94	0.57	4.71	417.06	0.13	37.61
6.76	27.59	5.96	0.69	4.69	416.67	0.18	37.71
6.811	27.61	5.98	0.76	4.68	397.43	0.16	37.86
6.869	27.64	6.01	0.65	4.66	380.04	0.18	38.01
6.936	27.68	6.02	0.72	4.64	379.16	0.21	38.02
6.994	27.71	6.03	0.65	4.63	357.15	0.26	38.13
7.055	27.74	6.06	0.8	4.6	367.31	0.34	38.27
7.128	27.78	6.11	0.88	4.58	385.63	0.4	38.59
7.197	27.86	6.2	0.76	4.55	390.58	0.44	39.22
7.253	27.97	6.29	0.84	4.52	353.53	0.48	39.78
7.285	28.09	6.28	0.88	4.51	347.36	0.55	39.6
7.309	28.14	6.29	0.95	4.49	354.19	0.58	39.61
7.369	28.2	6.33	0.84	4.41	348.41	0.71	39.82
7.4	28.23	6.33	0.99	4.33	345.67	0.72	39.79
7.455	28.25	6.34	1.03	4.23	323.42	0.79	39.9
7.835	28.32	6.36	1.11	3.81	287.97	1.09	39.95
8.003	28.32	6.36	1.03	3.61	274.1	1.16	39.98
8.126	28.34	6.36	0.95	3.55	266.39	1.34	39.97
8.151	28.34	6.37	0.88	3.53	261.07	1.39	39.97
8.161	28.35	6.37	1.03	3.5	253.27	1.4	39.97
8.169	28.35	6.36	0.99	3.48	265.16	1.4	39.97
8.179	28.35	6.36	1.03	3.46	280.65	1.42	39.96
8.19	28.34	6.36	1.11	3.45	283.4	1.38	39.97
8.194	28.34	6.36	0.95	3.45	266.27	1.33	39.97