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

Fecha: Lunes 15/11/2021

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

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

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

0-2 mg/L: ANOXIA

2-4 mg/L: HIPOXIA

>4 mg/L: NO PREOCUPANTE

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

OBSERVACIONES GENERALES

Se realiza **UNA SALIDA** en barco para muestreo por la mañana, en horario de 08:00 a 11:00 horas.

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

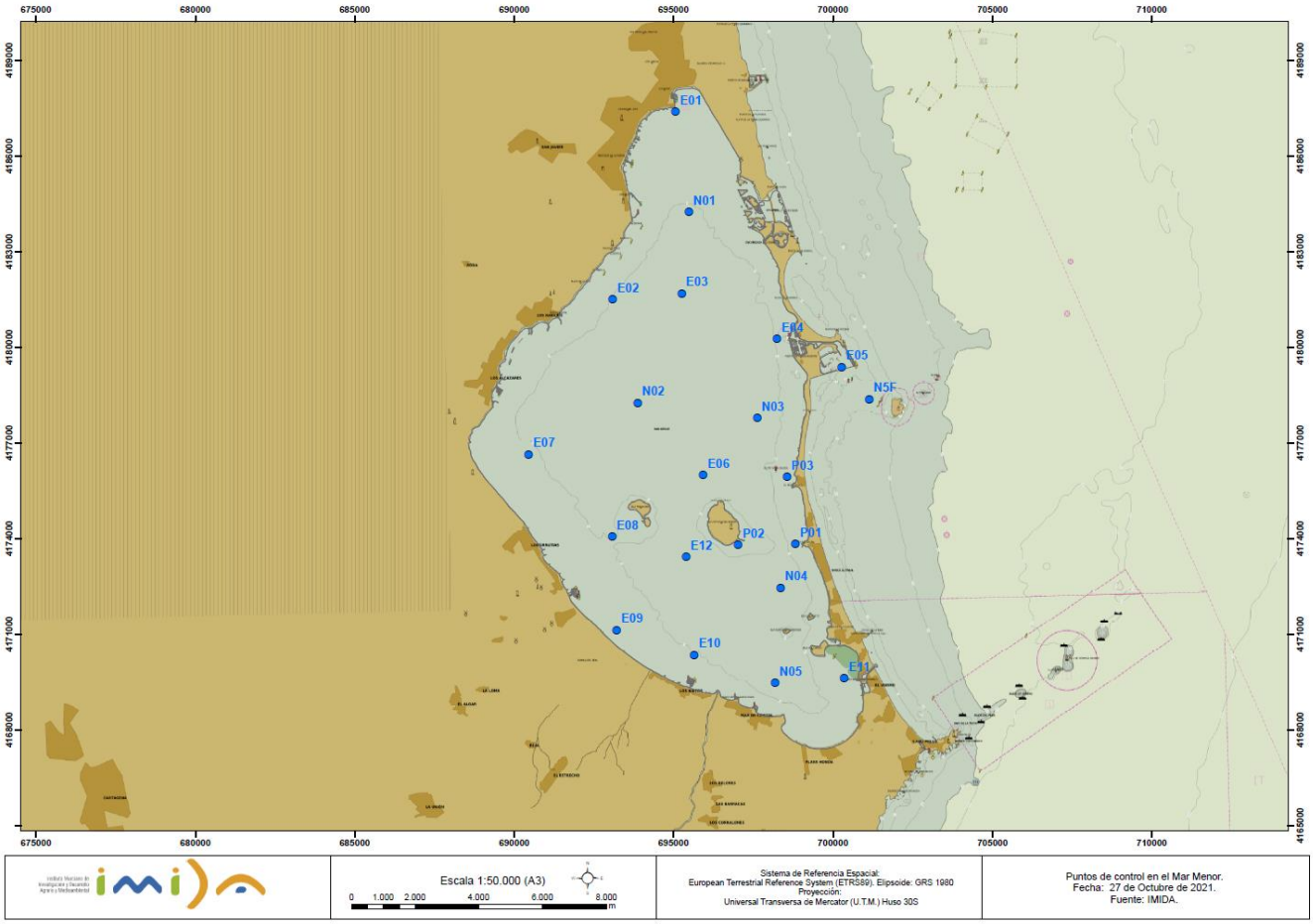
ORDEN	Punto	D. Secchi	Hora	Fondo	Viento (km/h)	Dirección	Sonda
1	E08	2,1	10:35	No	30	N	5,2
2	E07	1,2	10:49	No	30	N	4,7
3	N02	5,8	10:57	No	30	N	6,3
4	E06	3,4	11:06	No	30	N	6,7
5	P02	3,4	11:14	No	30	N	3,4
6	E12	3,8	11:20	No	30	N	6,0
7	E09	1,4	11:30	No	30	N	3,6
8	E10	3,0	11:38	No	30	N	5,3
9	N05	3,6	11:46	No	30	N	5,9
10	E11	4,2	11:54	No	30	N	4,5
11	N04	4,2	12:05	No	30	N	6,0
12	P01	1,9	12:11	Si	30	N	1,9
13	P03	1,5	12:20	Si	30	N	1,5
14	N03	4,6	12:27	No	30	N	6,5
15	E04	3,9	12:37	No	30	N	5,5
16	E03	6,0	12:55	No	30	N	6,3
17	E02	5,7	13:02	No	25	NE	5,7
18	N01	5,2	13:11	NO	25	NE	5,7
19	E01	2,5	13:19	Si	25	NE	2,5

UBICACIÓN DE LOS TRABAJOS

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

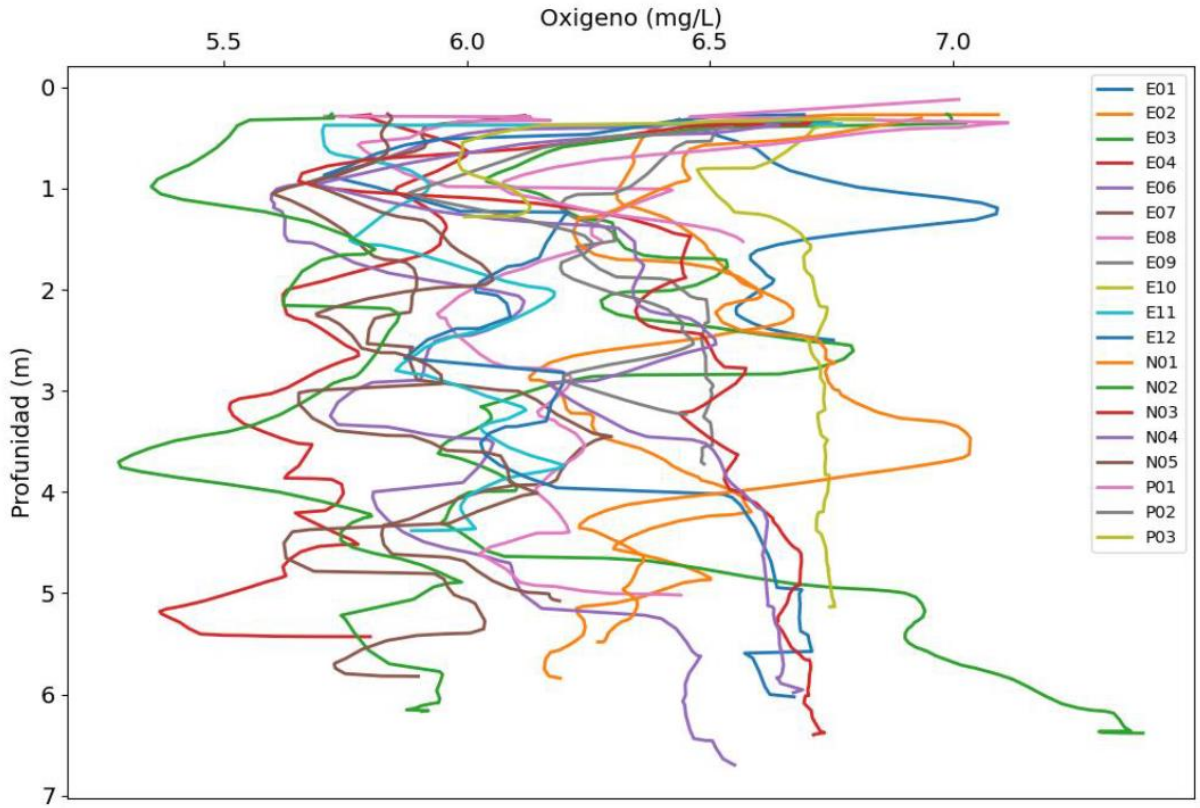
Instalaciones del IMIDA de La Alberca: Diseño y puesta en marcha de la encuesta para la toma de datos, procesamiento, tratamiento, análisis de datos, cartografía y maquetación.

Mar Menor: El IMIDA ha muestreado un total de 19 puntos con el CTD, previamente establecidos por el grupo de monitorización.

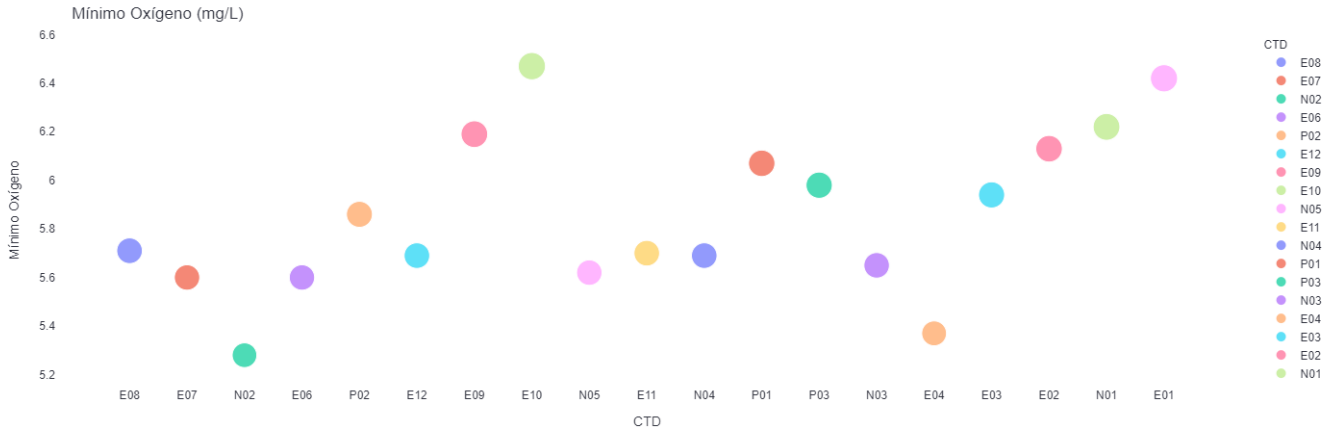


SITUACIÓN GENERAL

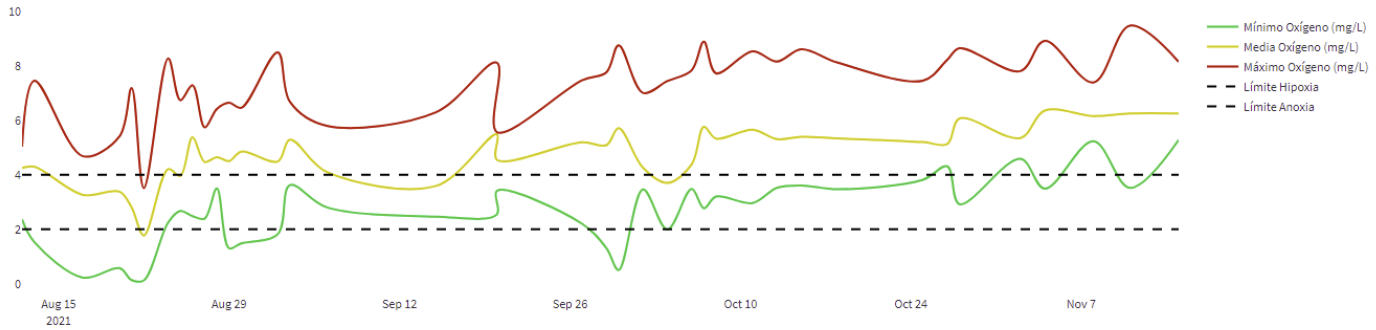
Los niveles medios de oxígeno son normales normalidad en todos los puntos. Los valores medios de clorofila están por debajo 2. 5 mg/m3 en todas las estaciones, excepto en la E12 que en el fondo tiene valores próximos a 19 mg/m3. Los valores de turbidez van bajando, pero todavía se mantiene altos en la E07 y la E02.



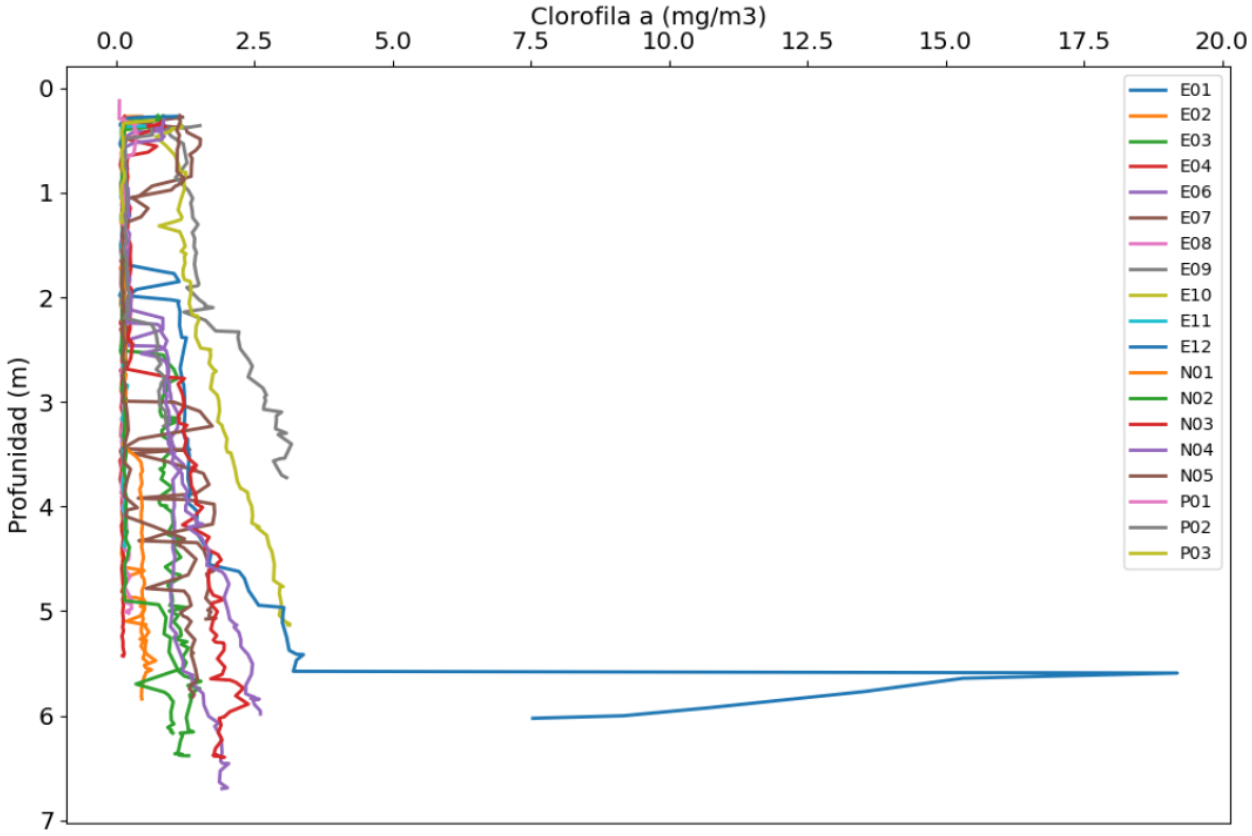
Perfiles de oxígeno (mg/L) por estación



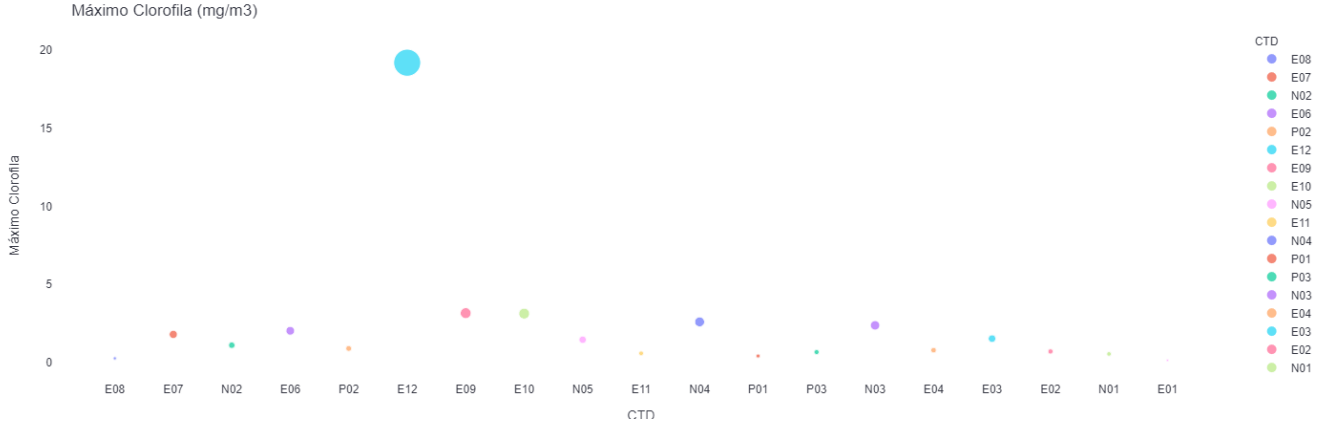
Valores mínimos de oxígeno (mg/L) por estación



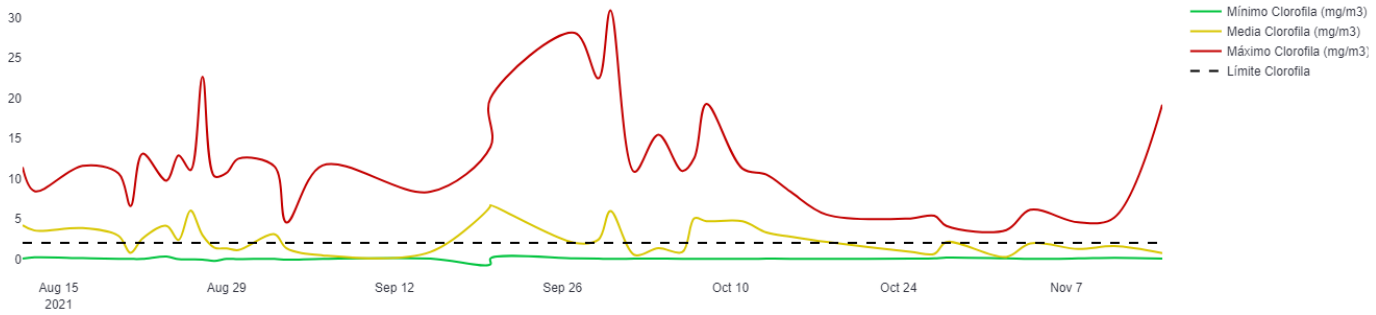
Evolución del contenido de oxígeno (mg/L)



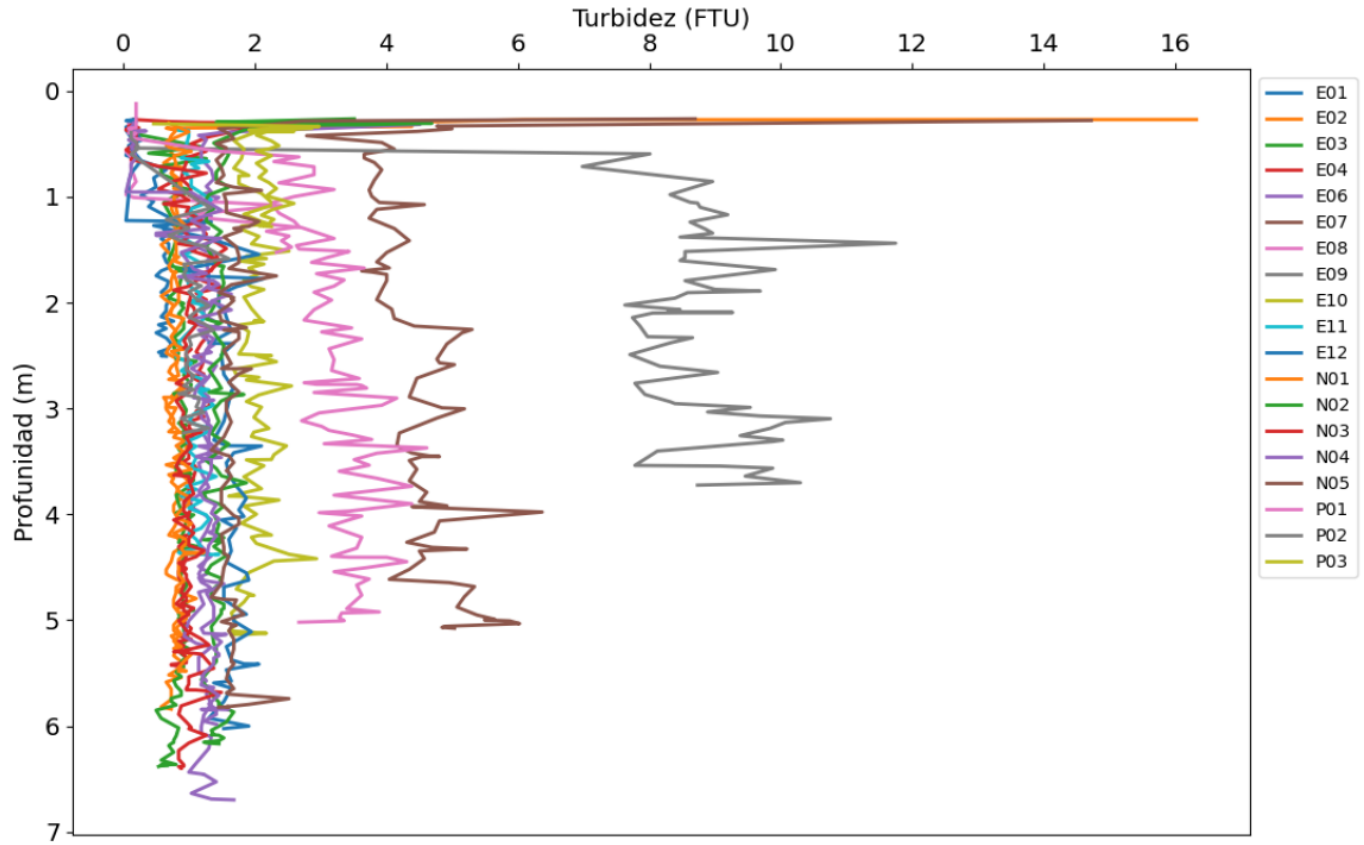
Perfiles de los valores medios de clorofila (mg/m3)

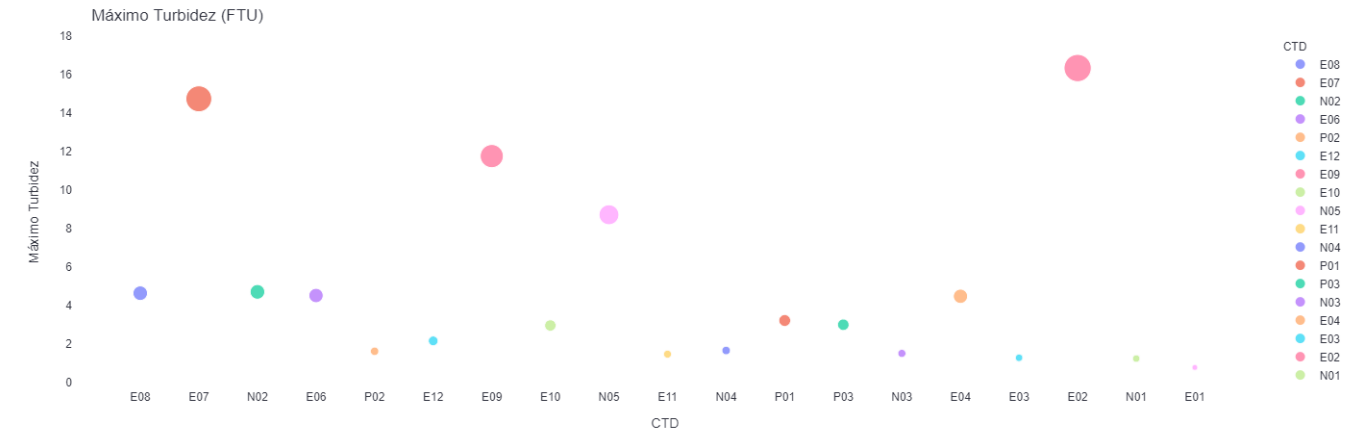


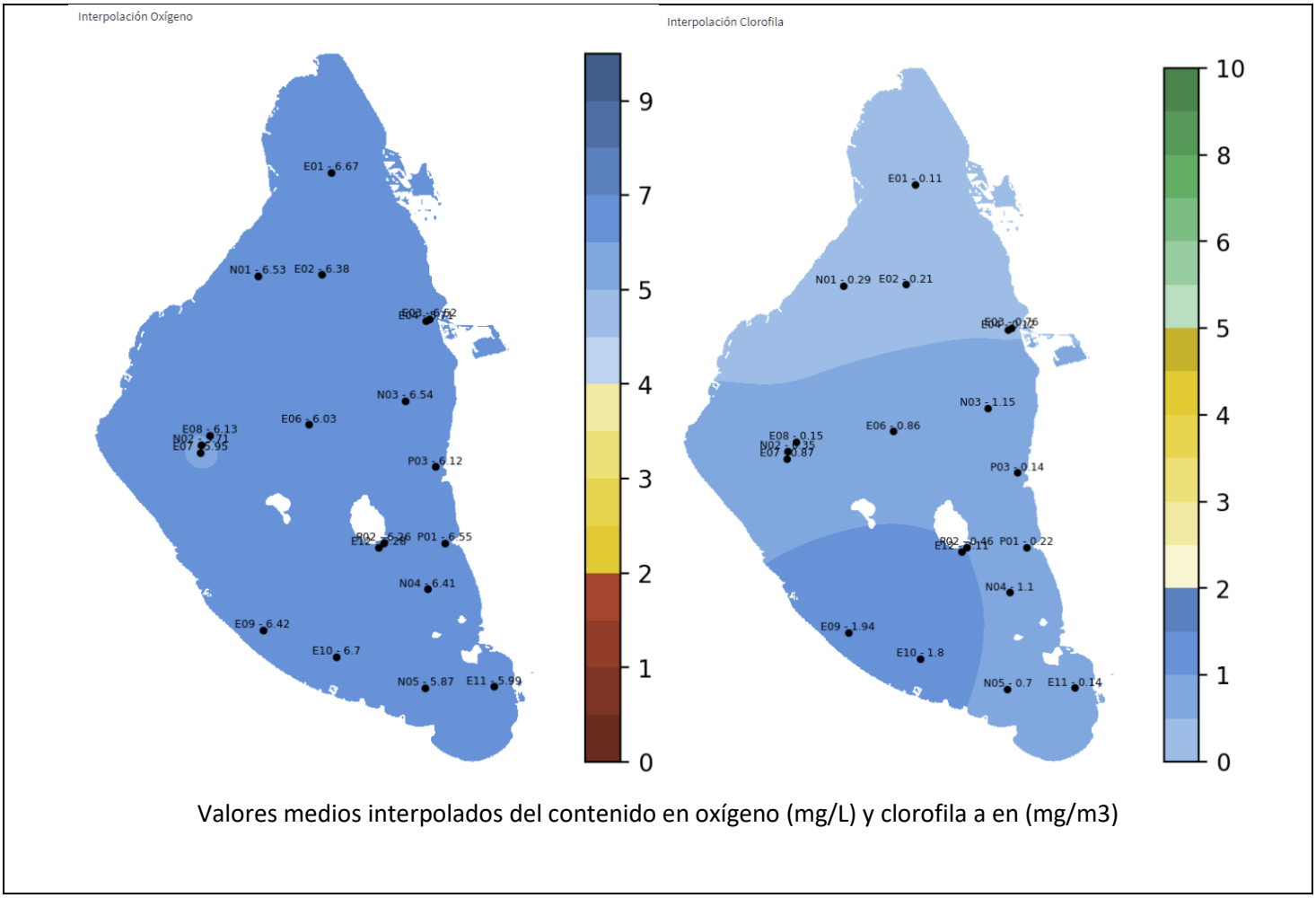
Valores máximos de clorofila



Evolución del contenido en clorofila (mg/m3)



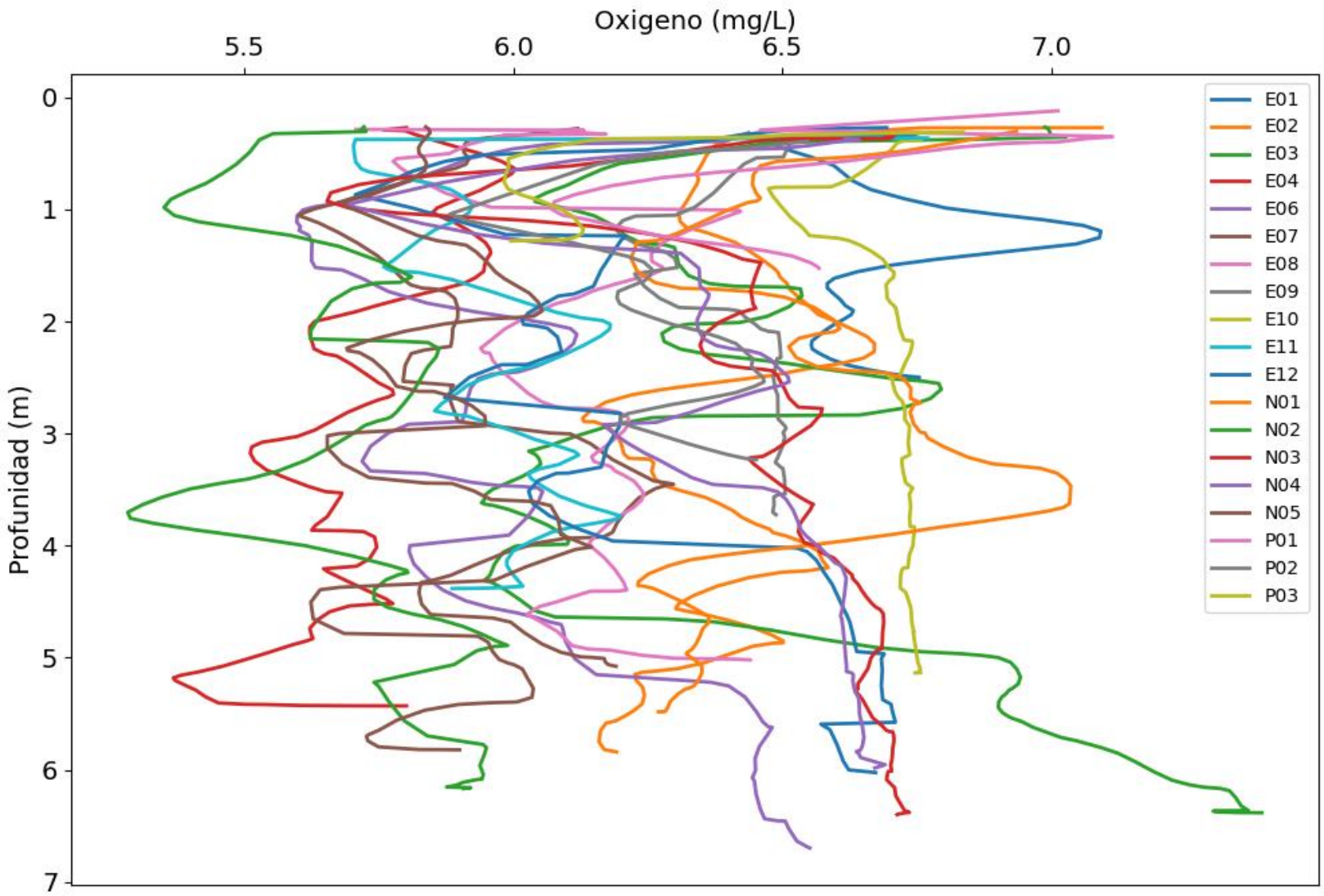


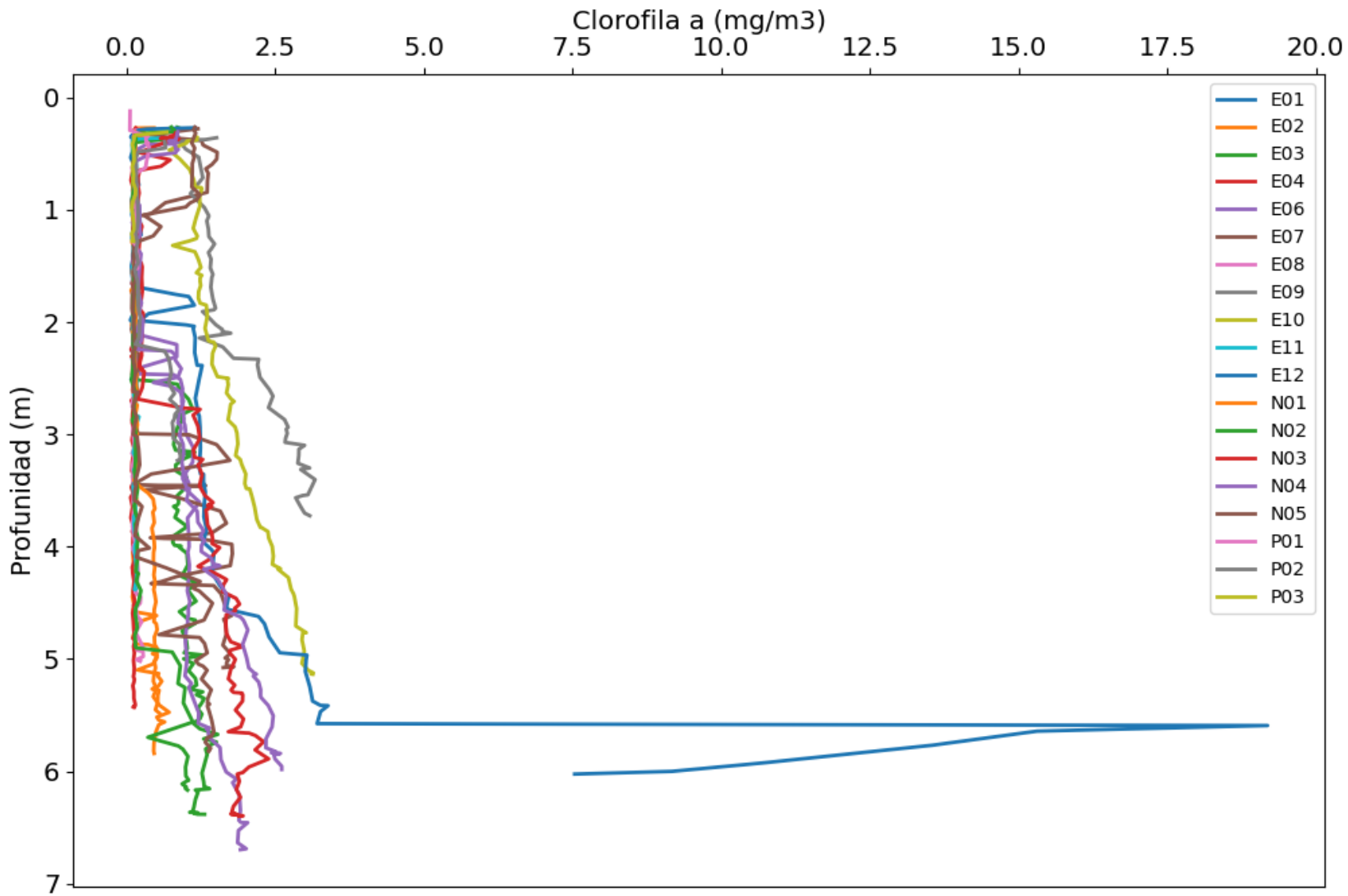


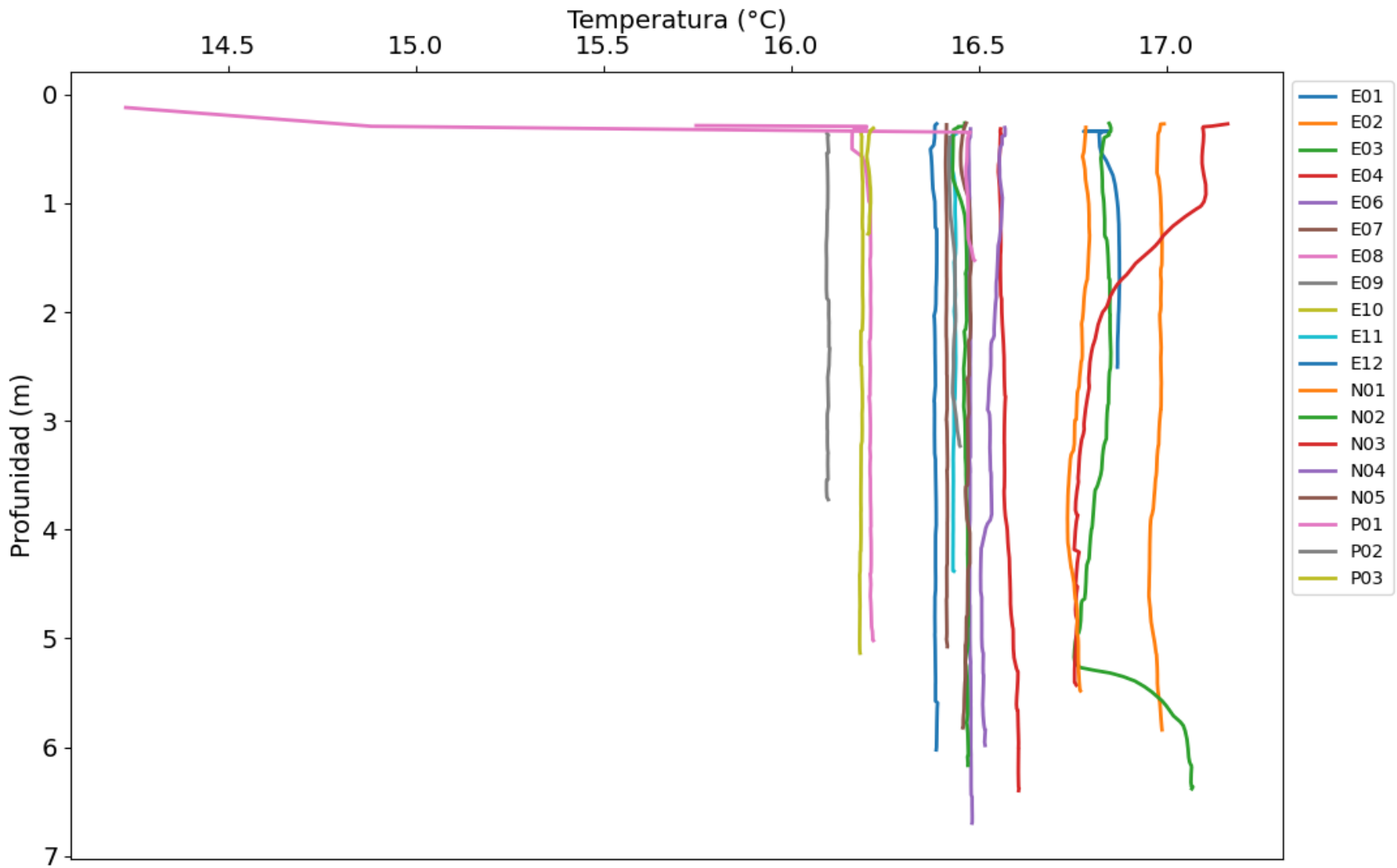
Valores medios interpolados del contenido en oxígeno (mg/L) y clorofila a en (mg/m3)

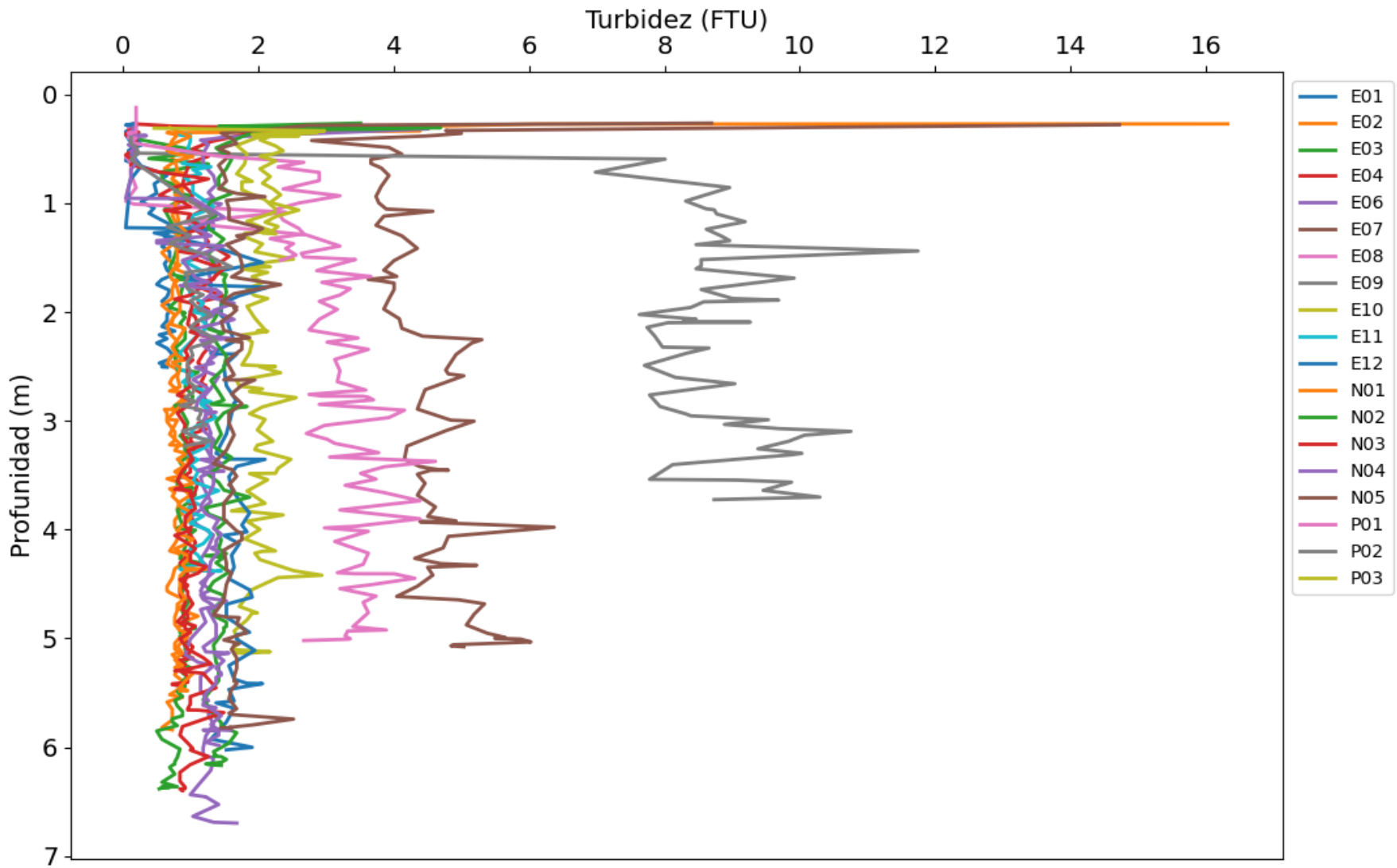
Imagen del satélite Landsat 8 del día 14/11/2021

FICHA GENERAL DE MUESTREOS PARA OXÍGENO, TURBIDEZ, CLOROFILA Y TEMPERATURA **FECHA: 15-11-2021**

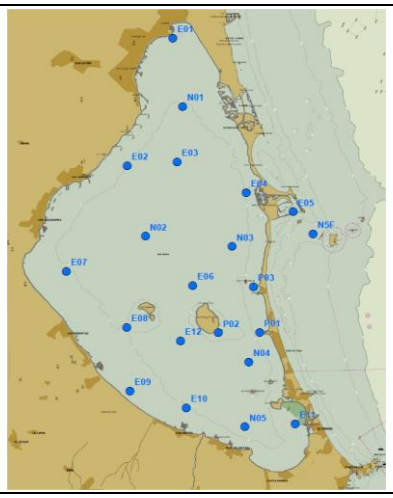


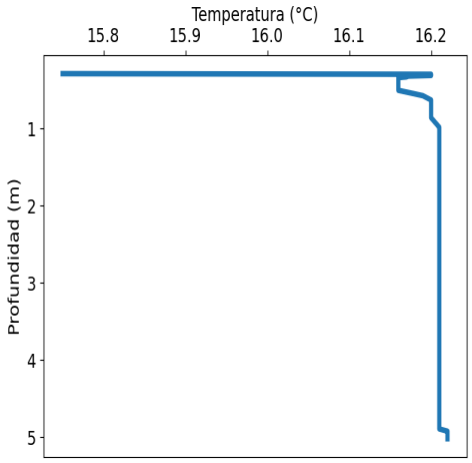

Clorofila a (mg/m3)
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Profunidad (m)
0
1
2
3
4
5
6
7
E01
E02
E03
E04
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
P01
P02
P03

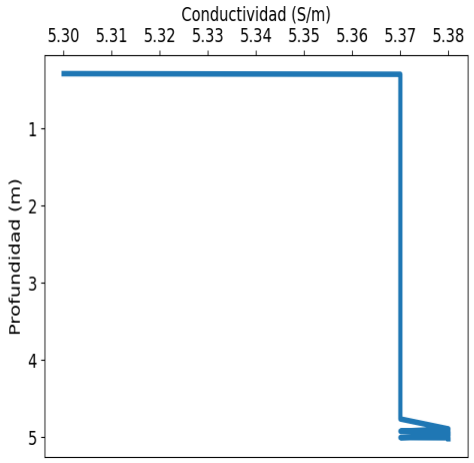

Temperatura (°C)
14.5
15.0
15.5
16.0
16.5
17.0
Profunidad (m)
0
1
2
3
4
5
6
7
E01
E02
E03
E04
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
P01
P02
P03

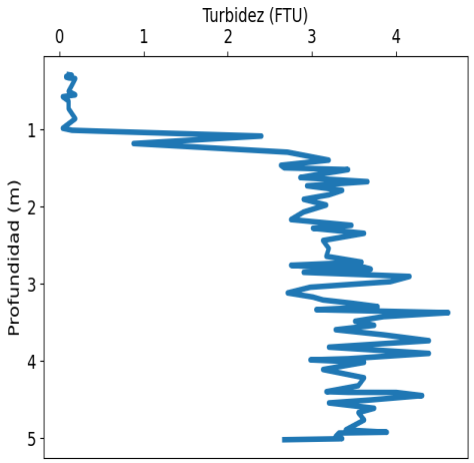

Turbidez (FTU)
0
2
4
6
8
10
12
14
16
Profunidad (m)
0
1
2
3
4
5
6
7
E01
E02
E03
E04
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
P01
P02
P03

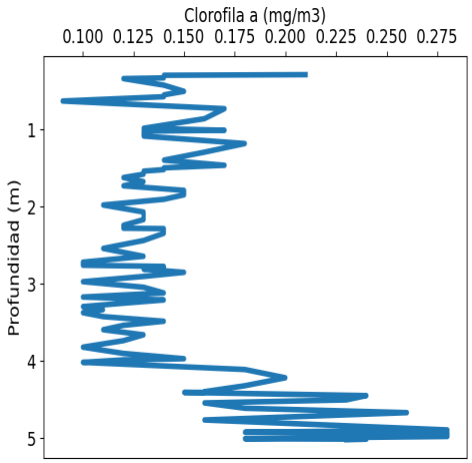
Nombre: CTD E08 - Punto 001 **Fecha: 15/11/2021** **Hora: 10:11:33**

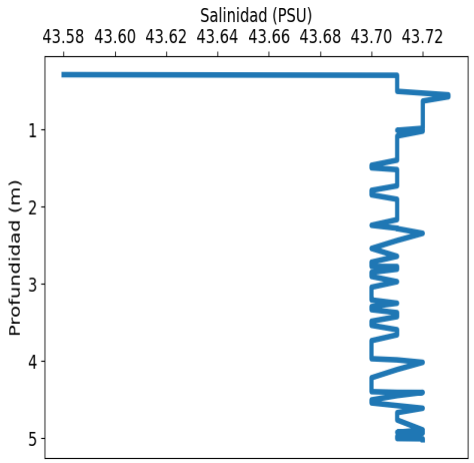


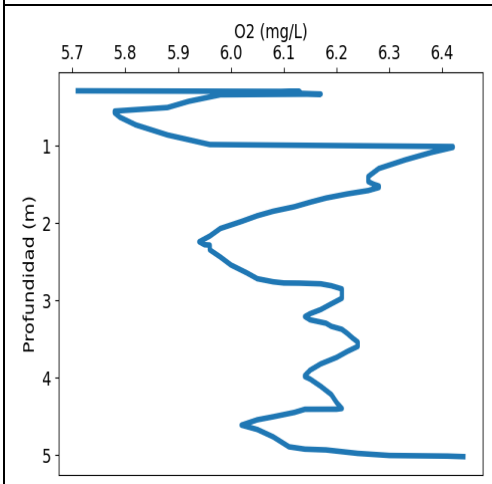


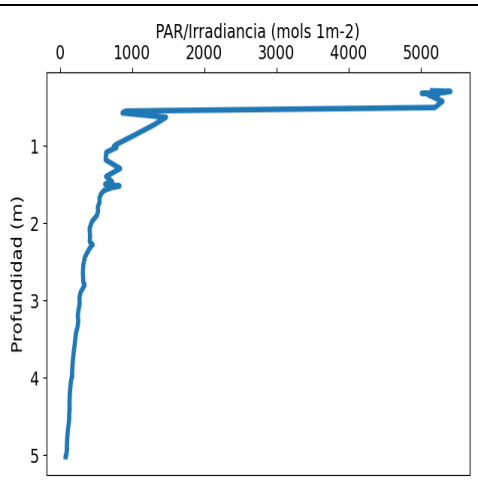












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.75	5.3	0.04	5.71	79.63	0.09	43.58
PROF (metros)	0.286	0.286	0.572	0.286	5.019	0.628	0.286
MÁXIMO	16.22	16.22	4.62	6.44	5411.1	0.28	43.73
PROF (metros)	4.922	4.892	3.372	5.019	0.294	4.892	0.548

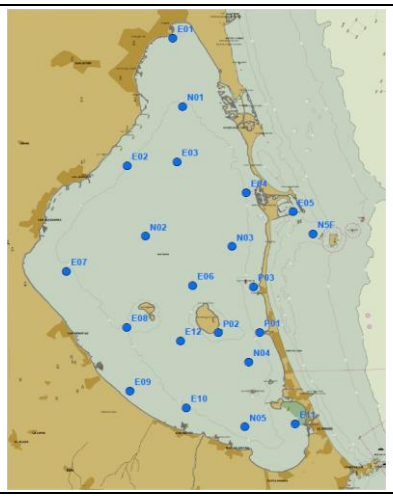
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E08 - Punto 001	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.15	5.37	0.12	5.93	3436.58	0.14	43.71
1 - 2m	16.21	5.37	2.61	6.24	637.73	0.14	43.71
2 - 3m	16.21	5.37	3.3	6.06	355.0	0.13	43.71
3 - 4m	16.21	5.37	3.52	6.19	219.06	0.12	43.7
4 - 5m	16.21	5.37	3.56	6.14	123.36	0.2	43.71
5 - 6m	16.22	5.38	3.1	6.37	83.63	0.21	43.72

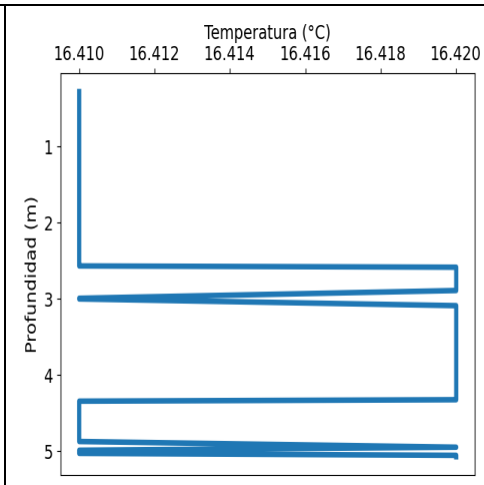
OBSERVACIONES GENERALES

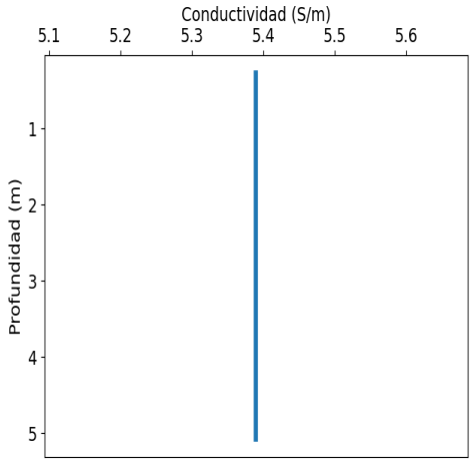
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.286	15.75	5.3	0.11	5.71	5155.2	0.21	43.58
0.294	16.2	5.37	0.15	6.13	5411.1	0.14	43.71
0.309	16.2	5.37	0.08	6.07	5312.9	0.14	43.71
0.318	16.17	5.37	0.08	6.13	5012.6	0.14	43.71
0.328	16.17	5.37	0.11	6.17	5249.2	0.14	43.71
0.337	16.16	5.37	0.19	5.98	5104.1	0.12	43.71
0.422	16.16	5.37	0.15	5.92	5300.6	0.14	43.71
0.502	16.16	5.37	0.11	5.88	5193.6	0.15	43.71
0.548	16.18	5.37	0.19	5.78	914.81	0.14	43.73
0.572	16.19	5.37	0.04	5.78	867.52	0.14	43.73
0.628	16.2	5.37	0.11	5.79	1471.2	0.09	43.72
0.727	16.2	5.37	0.11	5.82	1301.2	0.17	43.72
0.857	16.2	5.37	0.19	5.88	1038.5	0.16	43.72
0.981	16.21	5.37	0.04	5.96	779.6	0.13	43.72
1.007	16.21	5.37	0.15	6.42	746.71	0.17	43.71
1.018	16.21	5.37	0.46	6.42	784.86	0.13	43.72
1.082	16.21	5.37	2.4	6.38	643.02	0.13	43.71
1.179	16.21	5.37	0.88	6.33	634.44	0.18	43.71
1.291	16.21	5.37	2.71	6.28	835.94	0.16	43.71
1.394	16.21	5.37	3.2	6.26	640.49	0.14	43.71
1.461	16.21	5.37	2.63	6.26	723.37	0.17	43.7
1.494	16.21	5.37	2.67	6.27	626.98	0.14	43.7
1.517	16.21	5.37	3.43	6.28	827.84	0.14	43.71
1.537	16.21	5.37	3.32	6.28	720.36	0.13	43.71
1.576	16.21	5.37	3.09	6.26	611.48	0.13	43.71
1.62	16.21	5.37	2.86	6.22	570.67	0.12	43.71
1.673	16.21	5.37	3.66	6.18	548.88	0.13	43.71
1.727	16.21	5.37	2.94	6.15	551.05	0.12	43.71
1.786	16.21	5.37	3.36	6.12	526.94	0.15	43.7
1.844	16.21	5.37	3.2	6.08	529.76	0.15	43.7
1.902	16.21	5.37	2.9	6.05	511.18	0.14	43.71
1.976	16.21	5.37	3.17	6.02	445.23	0.11	43.71
2.067	16.21	5.37	2.9	5.98	412.25	0.13	43.71
2.165	16.21	5.37	2.75	5.96	418.41	0.13	43.71
2.239	16.21	5.37	3.47	5.94	415.32	0.12	43.7
2.277	16.21	5.37	3.01	5.95	455.25	0.12	43.71

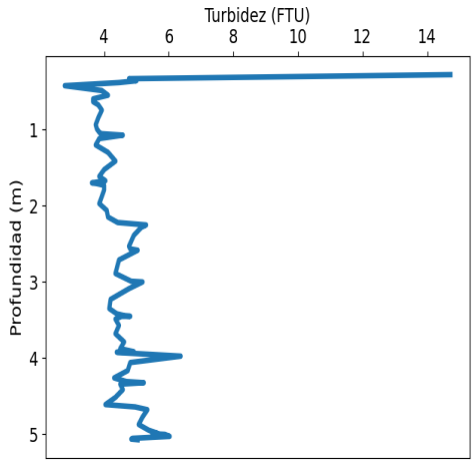
2.282	16.21	5.37	3.05	5.96	443.48	0.14	43.71
2.343	16.21	5.37	3.62	5.96	400.39	0.14	43.72
2.436	16.21	5.37	3.13	5.98	347.68	0.13	43.71
2.539	16.21	5.37	3.2	6.0	324.78	0.11	43.7
2.641	16.21	5.37	3.17	6.03	318.96	0.13	43.71
2.717	16.21	5.37	3.59	6.05	323.35	0.1	43.7
2.757	16.21	5.37	2.75	6.08	323.57	0.1	43.7
2.772	16.21	5.37	2.94	6.1	328.11	0.14	43.7
2.774	16.21	5.37	3.55	6.13	329.71	0.13	43.71
2.783	16.21	5.37	3.62	6.17	339.95	0.14	43.71
2.808	16.21	5.37	3.7	6.19	340.11	0.13	43.71
2.849	16.21	5.37	2.9	6.21	313.39	0.15	43.7
2.902	16.21	5.37	4.16	6.21	284.06	0.13	43.7
2.97	16.21	5.37	3.93	6.21	271.19	0.1	43.71
3.042	16.21	5.37	2.98	6.19	274.03	0.13	43.7
3.116	16.21	5.37	2.71	6.17	259.51	0.14	43.7
3.169	16.21	5.37	3.01	6.15	251.34	0.1	43.7
3.207	16.21	5.37	3.13	6.14	248.96	0.14	43.7
3.249	16.21	5.37	3.47	6.15	255.45	0.12	43.71
3.293	16.21	5.37	3.78	6.18	251.28	0.1	43.7
3.333	16.21	5.37	3.05	6.19	248.04	0.11	43.7
3.372	16.21	5.37	4.62	6.21	235.98	0.1	43.71
3.423	16.21	5.37	3.85	6.22	223.37	0.11	43.71
3.483	16.21	5.37	3.51	6.23	214.79	0.14	43.7
3.536	16.21	5.37	3.74	6.24	210.6	0.12	43.7
3.593	16.21	5.37	3.28	6.24	202.37	0.11	43.71
3.659	16.21	5.37	3.85	6.22	193.38	0.13	43.71
3.735	16.21	5.37	4.39	6.2	184.24	0.12	43.7
3.819	16.21	5.37	3.2	6.17	176.91	0.1	43.7
3.9	16.21	5.37	4.39	6.15	171.58	0.12	43.7
3.969	16.21	5.37	3.43	6.14	168.86	0.15	43.7
3.984	16.21	5.37	2.98	6.14	172.3	0.12	43.71
4.016	16.21	5.37	3.62	6.15	158.18	0.1	43.72
4.109	16.21	5.37	3.13	6.17	146.56	0.18	43.71
4.216	16.21	5.37	3.62	6.19	137.42	0.2	43.7
4.319	16.21	5.37	3.55	6.2	134.33	0.18	43.7
4.396	16.21	5.37	3.17	6.21	134.39	0.16	43.7
4.405	16.21	5.37	3.43	6.2	137.42	0.16	43.71
4.406	16.21	5.37	4.0	6.14	135.08	0.15	43.72
4.447	16.21	5.37	4.31	6.12	131.28	0.24	43.71
4.503	16.21	5.37	3.7	6.08	129.35	0.23	43.7
4.542	16.21	5.37	3.2	6.05	128.93	0.16	43.7
4.611	16.21	5.37	3.74	6.02	120.86	0.18	43.72
4.668	16.21	5.37	3.55	6.05	112.53	0.26	43.71
4.763	16.21	5.37	3.62	6.08	103.43	0.16	43.71
4.892	16.21	5.38	3.4	6.11	97.31	0.28	43.72
4.922	16.22	5.37	3.89	6.14	100.82	0.18	43.71
4.932	16.22	5.38	3.32	6.18	96.7	0.28	43.72
4.977	16.22	5.38	3.28	6.24	92.56	0.28	43.71
5.004	16.22	5.37	3.36	6.3	89.48	0.18	43.71
5.007	16.22	5.38	3.32	6.34	85.45	0.18	43.72
5.012	16.22	5.38	3.05	6.41	79.95	0.24	43.72
5.019	16.22	5.38	2.67	6.44	79.63	0.23	43.72

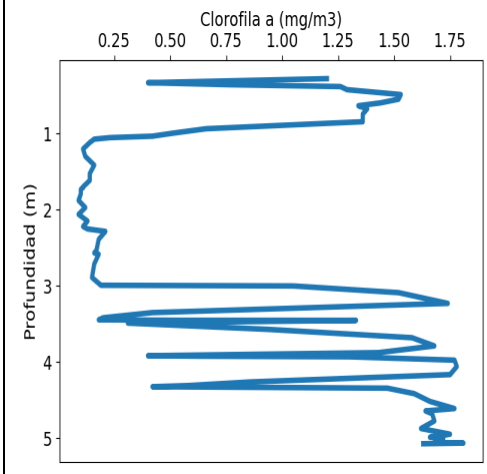
Nombre: CTD E07 - Punto 002 **Fecha: 15/11/2021** **Hora: 10:11:05**

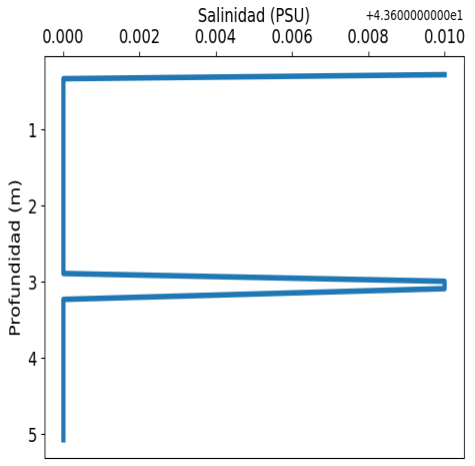


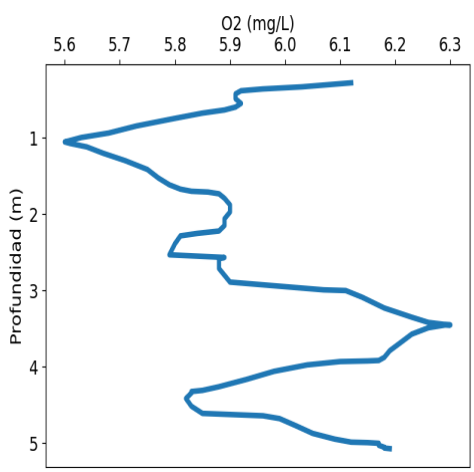


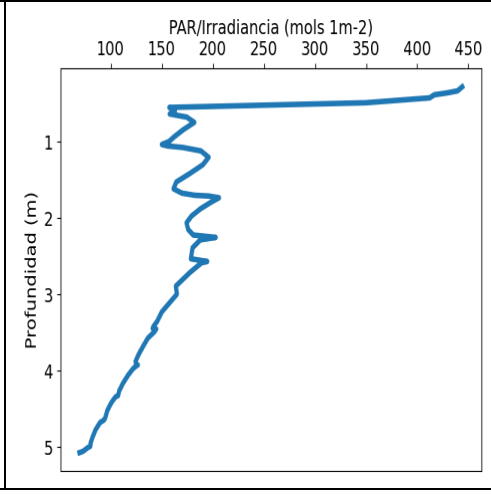












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.41	5.39	2.79	5.6	69.39	0.09	43.6
PROF (metros)	0.279	0.279	0.424	1.054	5.076	1.879	0.332
MÁXIMO	16.42	16.42	14.73	6.3	444.09	1.81	43.61
PROF (metros)	2.586	0.279	0.279	3.454	0.279	5.068	0.279

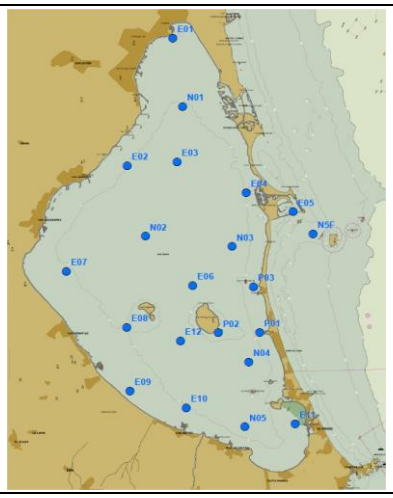
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E07 - Punto 002	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.41	5.39	4.73	5.88	272.48	1.14	43.6
1 - 2m	16.41	5.39	3.97	5.76	179.5	0.15	43.6
2 - 3m	16.41	5.39	4.69	5.88	180.77	0.16	43.6
3 - 4m	16.42	5.39	4.66	6.2	138.31	1.0	43.6
4 - 5m	16.41	5.39	4.89	5.95	96.19	1.47	43.6
5 - 6m	16.42	5.39	5.33	6.18	73.34	1.71	43.6

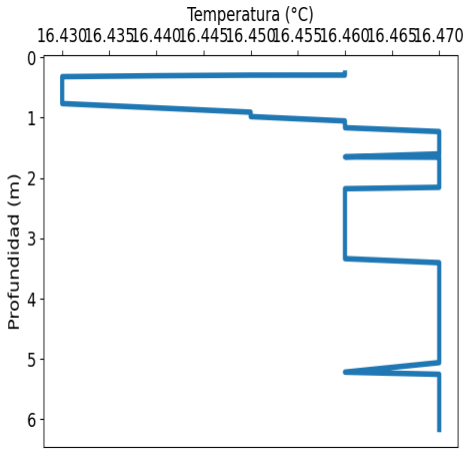
OBSERVACIONES GENERALES

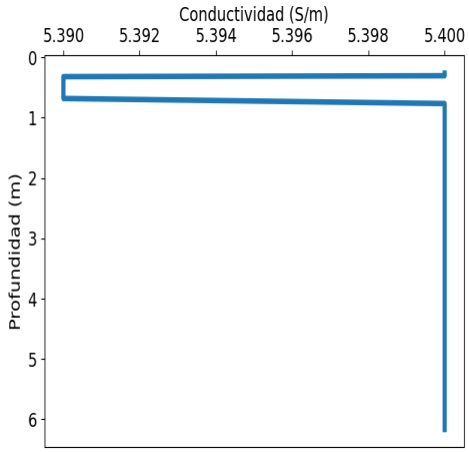
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.279	16.41	5.39	14.72	6.12	444.09	1.2	43.61
0.332	16.41	5.39	4.77	6.03	439.49	0.4	43.6
0.359	16.41	5.39	5.0	5.96	429.12	0.77	43.6
0.383	16.41	5.39	4.46	5.92	416.77	1.26	43.6
0.424	16.41	5.39	2.78	5.91	412.16	1.29	43.6
0.488	16.41	5.39	3.93	5.91	349.46	1.53	43.6
0.549	16.41	5.39	4.12	5.92	157.33	1.52	43.6
0.597	16.41	5.39	3.66	5.91	162.86	1.44	43.6
0.635	16.41	5.39	3.66	5.89	157.66	1.34	43.6
0.676	16.41	5.39	3.82	5.85	174.31	1.38	43.6
0.745	16.41	5.39	3.93	5.8	181.86	1.36	43.6
0.845	16.41	5.39	3.82	5.73	170.59	1.36	43.6
0.937	16.41	5.39	3.74	5.68	161.88	0.66	43.6
0.996	16.41	5.39	3.78	5.63	157.08	0.51	43.6
1.035	16.41	5.39	3.85	5.61	150.0	0.42	43.6
1.054	16.41	5.39	3.89	5.6	155.63	0.23	43.6
1.074	16.41	5.39	4.58	5.61	170.31	0.16	43.6
1.119	16.41	5.39	3.85	5.64	188.21	0.14	43.6
1.203	16.41	5.39	3.74	5.67	195.86	0.11	43.6
1.3	16.41	5.39	4.12	5.71	190.22	0.12	43.6
1.415	16.41	5.39	4.35	5.75	177.49	0.16	43.6
1.527	16.41	5.39	4.0	5.77	164.19	0.14	43.6
1.616	16.41	5.39	3.85	5.79	161.44	0.14	43.6
1.673	16.41	5.39	4.04	5.81	169.68	0.12	43.6
1.701	16.41	5.39	3.62	5.83	182.11	0.11	43.6
1.711	16.41	5.39	3.78	5.86	196.0	0.11	43.6
1.734	16.41	5.39	4.0	5.88	206.01	0.1	43.6
1.793	16.41	5.39	4.0	5.89	198.05	0.1	43.6
1.879	16.41	5.39	3.93	5.9	187.77	0.09	43.6
1.973	16.41	5.39	3.85	5.9	179.1	0.12	43.6
2.062	16.41	5.39	4.08	5.89	174.19	0.09	43.6
2.15	16.41	5.39	4.12	5.89	175.81	0.13	43.6
2.222	16.41	5.39	4.42	5.88	180.81	0.11	43.6
2.254	16.41	5.39	5.3	5.84	202.79	0.13	43.6
2.286	16.41	5.39	5.15	5.81	187.68	0.21	43.6
2.39	16.41	5.39	4.92	5.8	180.1	0.18	43.6

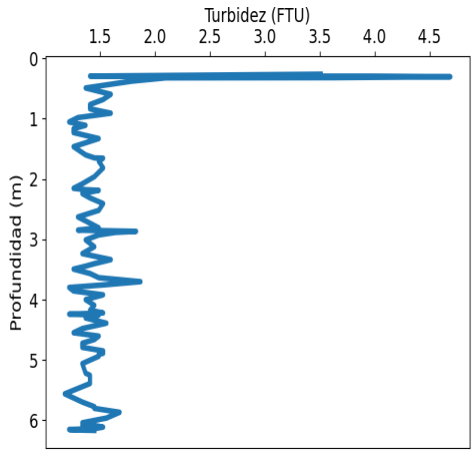
2.534	16.41	5.39	4.77	5.79	178.44	0.17	43.6
2.569	16.41	5.39	4.81	5.89	194.5	0.16	43.6
2.586	16.42	5.39	5.04	5.88	188.95	0.18	43.6
2.714	16.42	5.39	4.46	5.88	177.49	0.16	43.6
2.892	16.42	5.39	4.35	5.9	163.73	0.15	43.6
2.994	16.41	5.39	4.84	6.07	164.76	0.19	43.61
3.003	16.41	5.39	5.19	6.11	164.49	1.05	43.61
3.091	16.42	5.39	4.77	6.14	158.84	1.52	43.61
3.232	16.42	5.39	4.2	6.18	149.93	1.74	43.6
3.353	16.42	5.39	4.16	6.23	145.51	0.42	43.6
3.421	16.42	5.39	4.39	6.26	141.85	0.2	43.6
3.448	16.42	5.39	4.65	6.29	141.0	0.18	43.6
3.454	16.42	5.39	4.81	6.3	144.54	0.54	43.6
3.455	16.42	5.39	4.54	6.29	144.57	1.33	43.6
3.491	16.42	5.39	4.35	6.26	142.77	0.31	43.6
3.574	16.42	5.39	4.46	6.23	136.34	0.94	43.6
3.683	16.42	5.39	4.35	6.21	131.62	1.58	43.6
3.791	16.42	5.39	4.62	6.19	127.21	1.68	43.6
3.879	16.42	5.39	4.5	6.18	124.32	1.43	43.6
3.92	16.42	5.39	4.92	6.17	124.76	0.4	43.6
3.926	16.42	5.39	4.39	6.15	126.62	0.63	43.6
3.934	16.42	5.39	4.58	6.1	125.34	1.3	43.6
3.978	16.42	5.39	6.37	6.04	121.62	1.77	43.6
4.062	16.42	5.39	4.81	5.98	116.86	1.78	43.6
4.168	16.42	5.39	4.73	5.93	111.91	1.75	43.6
4.264	16.42	5.39	4.31	5.88	108.36	0.86	43.6
4.312	16.42	5.39	4.69	5.85	107.51	0.58	43.6
4.327	16.42	5.39	5.23	5.83	107.23	0.42	43.6
4.346	16.41	5.39	4.5	5.83	104.61	1.47	43.6
4.418	16.41	5.39	4.58	5.82	100.71	1.59	43.6
4.52	16.41	5.39	4.35	5.83	96.75	1.66	43.6
4.614	16.41	5.39	4.04	5.85	94.75	1.77	43.6
4.645	16.41	5.39	4.96	5.96	93.68	1.64	43.6
4.682	16.41	5.39	5.34	5.99	89.5	1.67	43.6
4.777	16.41	5.39	5.19	6.02	85.13	1.68	43.6
4.876	16.41	5.39	5.07	6.05	82.11	1.62	43.6
4.951	16.42	5.39	5.38	6.09	80.28	1.75	43.6
4.991	16.41	5.39	5.65	6.12	80.06	1.66	43.6
4.997	16.41	5.39	5.49	6.15	79.63	1.7	43.6
5.006	16.41	5.39	5.88	6.17	77.93	1.72	43.6
5.032	16.41	5.39	6.03	6.17	75.45	1.69	43.6
5.058	16.42	5.39	4.88	6.18	72.9	1.68	43.6
5.068	16.42	5.39	4.84	6.18	71.05	1.81	43.6
5.076	16.42	5.39	5.04	6.19	69.39	1.63	43.6

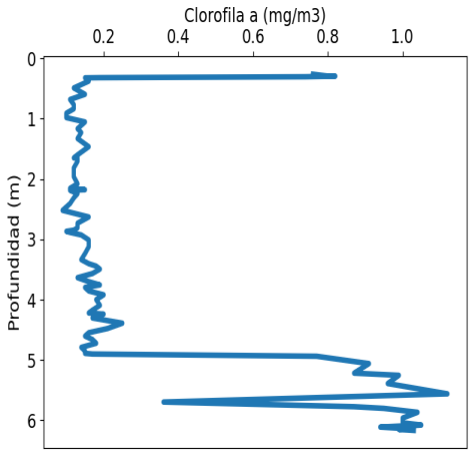
Nombre: CTD N02 - Punto 003 **Fecha: 15/11/2021** **Hora: 11:11:13**

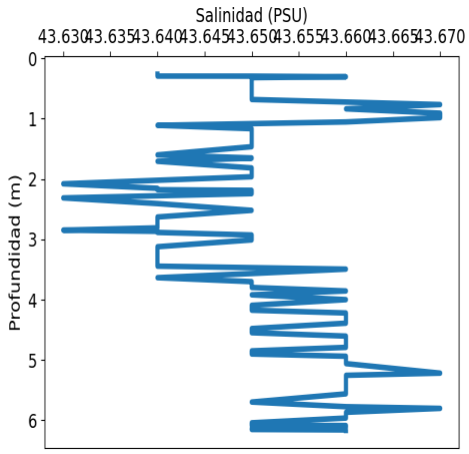


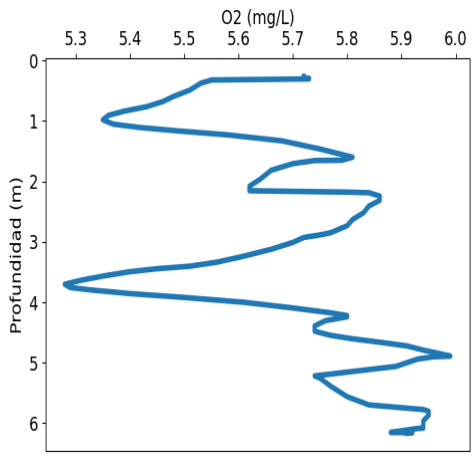


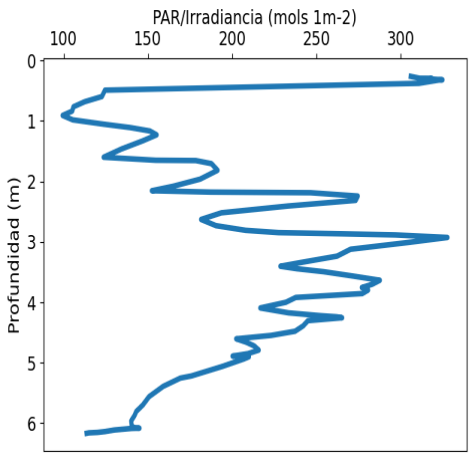












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.43	5.39	1.18	5.28	99.34	0.09	43.63
PROF (metros)	0.321	0.321	5.561	3.702	0.91	2.52	2.08
MÁXIMO	16.47	16.47	4.69	5.99	327.95	1.12	43.67
PROF (metros)	1.231	0.264	0.306	4.89	2.928	5.561	0.767

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N02 - Punto 003	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.44	5.4	2.24	5.54	213.44	0.32	43.65
1 - 2m	16.47	5.4	1.39	5.64	155.68	0.13	43.65
2 - 3m	16.46	5.4	1.44	5.78	228.37	0.12	43.64
3 - 4m	16.47	5.4	1.44	5.45	265.51	0.16	43.65
4 - 5m	16.47	5.4	1.42	5.83	226.48	0.21	43.66
5 - 6m	16.47	5.4	1.42	5.86	156.61	0.91	43.66
6 - 7m	16.47	5.4	1.38	5.92	130.12	1.01	43.66

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.264	16.46	5.4	3.51	5.72	306.14	0.76	43.64
0.295	16.46	5.4	1.41	5.72	311.43	0.8	43.64
0.296	16.45	5.4	4.0	5.73	318.66	0.82	43.65
0.306	16.44	5.4	4.69	5.73	317.63	0.74	43.66
0.321	16.43	5.39	3.62	5.58	325.0	0.19	43.65
0.324	16.43	5.39	2.1	5.55	322.98	0.15	43.65
0.379	16.43	5.39	1.79	5.53	311.0	0.16	43.65
0.492	16.43	5.39	1.37	5.51	124.5	0.12	43.65
0.597	16.43	5.39	1.6	5.48	122.72	0.15	43.65
0.683	16.43	5.39	1.53	5.46	112.48	0.11	43.65
0.767	16.43	5.4	1.41	5.43	105.78	0.12	43.67
0.838	16.44	5.4	1.41	5.39	105.07	0.12	43.66
0.91	16.45	5.4	1.6	5.36	99.34	0.1	43.67
0.983	16.45	5.4	1.3	5.35	105.39	0.1	43.67
1.055	16.46	5.4	1.22	5.37	123.86	0.15	43.66
1.111	16.46	5.4	1.37	5.42	139.6	0.14	43.64
1.167	16.46	5.4	1.26	5.49	151.19	0.13	43.65
1.231	16.47	5.4	1.26	5.58	155.23	0.14	43.65
1.33	16.47	5.4	1.49	5.68	146.94	0.13	43.65
1.465	16.47	5.4	1.26	5.75	134.3	0.16	43.65
1.601	16.47	5.4	1.37	5.81	123.69	0.13	43.64
1.651	16.46	5.4	1.45	5.79	154.66	0.12	43.65
1.656	16.47	5.4	1.53	5.74	178.48	0.13	43.65
1.707	16.47	5.4	1.49	5.7	187.77	0.13	43.64
1.817	16.47	5.4	1.53	5.66	191.42	0.12	43.65
1.963	16.47	5.4	1.45	5.64	181.06	0.12	43.65
2.08	16.47	5.4	1.34	5.62	165.14	0.13	43.63
2.155	16.47	5.4	1.26	5.62	152.31	0.11	43.64
2.178	16.46	5.4	1.37	5.8	187.38	0.15	43.64
2.188	16.46	5.4	1.49	5.84	246.66	0.11	43.65
2.243	16.46	5.4	1.34	5.86	274.67	0.13	43.65
2.314	16.46	5.4	1.41	5.86	273.46	0.12	43.63
2.408	16.46	5.4	1.53	5.84	233.21	0.11	43.64
2.52	16.46	5.4	1.49	5.83	193.69	0.09	43.65
2.63	16.46	5.4	1.3	5.81	181.57	0.16	43.64

2.733	16.46	5.4	1.41	5.8	190.49	0.13	43.64
2.81	16.46	5.4	1.49	5.78	208.07	0.13	43.64
2.848	16.46	5.4	1.3	5.77	227.6	0.12	43.63
2.868	16.46	5.4	1.83	5.76	266.27	0.1	43.64
2.886	16.46	5.4	1.64	5.75	297.05	0.11	43.64
2.928	16.46	5.4	1.49	5.72	327.95	0.14	43.65
3.01	16.46	5.4	1.37	5.7	304.86	0.16	43.65
3.123	16.46	5.4	1.45	5.66	270.37	0.16	43.64
3.237	16.46	5.4	1.34	5.61	262.35	0.15	43.64
3.337	16.46	5.4	1.6	5.56	241.85	0.14	43.64
3.404	16.47	5.4	1.45	5.51	228.66	0.16	43.64
3.445	16.47	5.4	1.37	5.45	238.46	0.18	43.64
3.494	16.47	5.4	1.26	5.4	254.38	0.19	43.66
3.567	16.47	5.4	1.41	5.35	272.01	0.17	43.65
3.636	16.47	5.4	1.49	5.31	287.83	0.13	43.64
3.702	16.47	5.4	1.87	5.28	283.27	0.16	43.65
3.756	16.47	5.4	1.53	5.29	277.03	0.19	43.65
3.798	16.47	5.4	1.22	5.33	280.85	0.15	43.65
3.856	16.47	5.4	1.26	5.4	277.36	0.16	43.66
3.92	16.47	5.4	1.53	5.5	237.85	0.2	43.65
4.0	16.47	5.4	1.37	5.61	231.97	0.18	43.66
4.094	16.47	5.4	1.45	5.7	216.74	0.19	43.65
4.175	16.47	5.4	1.41	5.77	233.59	0.17	43.65
4.221	16.47	5.4	1.53	5.8	252.33	0.16	43.66
4.24	16.47	5.4	1.22	5.8	262.11	0.2	43.66
4.256	16.47	5.4	1.49	5.79	265.41	0.19	43.66
4.304	16.47	5.4	1.37	5.76	245.07	0.17	43.66
4.39	16.47	5.4	1.56	5.74	242.24	0.25	43.66
4.479	16.47	5.4	1.34	5.74	237.41	0.21	43.65
4.548	16.47	5.4	1.26	5.77	223.16	0.16	43.65
4.604	16.47	5.4	1.49	5.81	202.41	0.15	43.66
4.661	16.47	5.4	1.45	5.86	208.46	0.17	43.66
4.722	16.47	5.4	1.34	5.91	213.15	0.18	43.66
4.791	16.47	5.4	1.34	5.94	215.89	0.14	43.66
4.849	16.47	5.4	1.53	5.97	209.48	0.15	43.65
4.89	16.47	5.4	1.53	5.99	200.27	0.15	43.65
4.901	16.47	5.4	1.49	5.96	210.06	0.17	43.65
4.938	16.47	5.4	1.49	5.93	206.92	0.77	43.66
5.06	16.47	5.4	1.34	5.89	194.32	0.91	43.66
5.218	16.46	5.4	1.37	5.74	175.89	0.87	43.67
5.254	16.47	5.4	1.41	5.75	169.29	0.99	43.66
5.39	16.47	5.4	1.41	5.77	159.13	0.96	43.66
5.561	16.47	5.4	1.18	5.8	150.7	1.12	43.66
5.697	16.47	5.4	1.34	5.84	147.04	0.36	43.65
5.774	16.47	5.4	1.45	5.94	144.27	0.87	43.66
5.802	16.47	5.4	1.45	5.95	143.17	0.95	43.67
5.867	16.47	5.4	1.68	5.95	142.18	1.04	43.66
5.962	16.47	5.4	1.56	5.94	140.09	1.0	43.66
6.041	16.47	5.4	1.34	5.94	140.38	1.0	43.65
6.078	16.47	5.4	1.37	5.94	142.05	1.05	43.65
6.082	16.47	5.4	1.34	5.94	145.04	1.04	43.65
6.086	16.47	5.4	1.45	5.93	140.31	1.02	43.66
6.112	16.47	5.4	1.53	5.91	130.07	0.94	43.66
6.138	16.47	5.4	1.45	5.89	124.53	1.01	43.65
6.152	16.47	5.4	1.22	5.88	120.1	0.99	43.65
6.159	16.47	5.4	1.26	5.92	115.01	1.01	43.66
6.167	16.47	5.4	1.45	5.91	113.58	1.03	43.66

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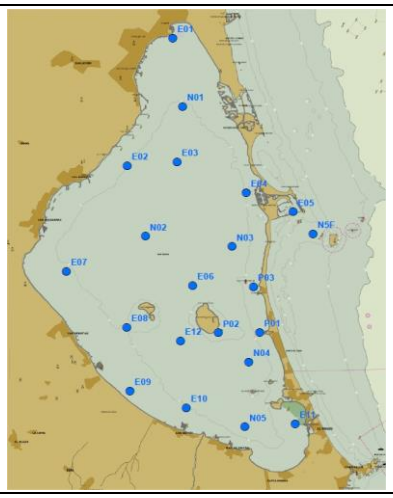
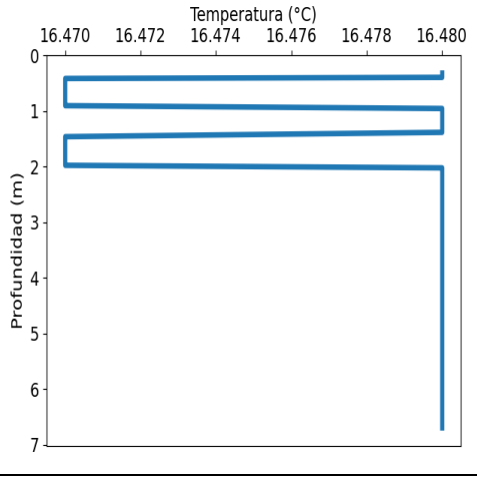
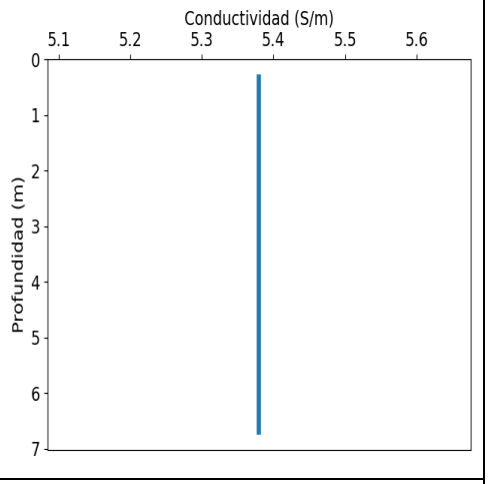
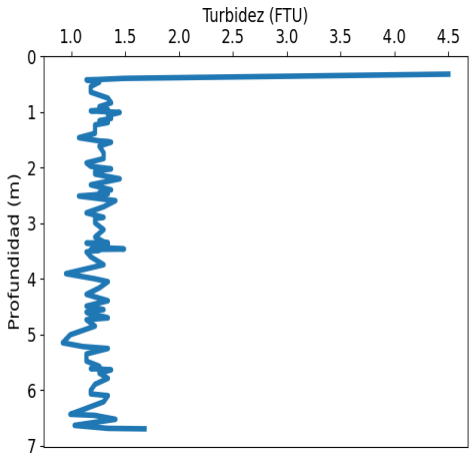
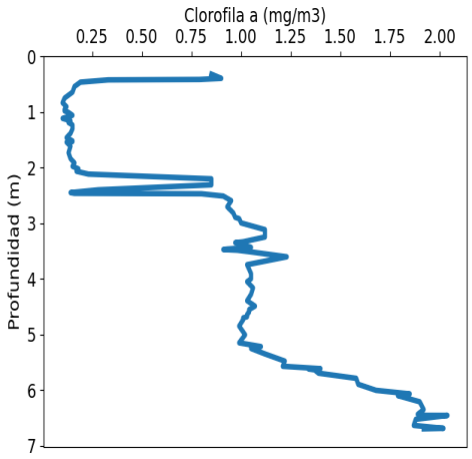
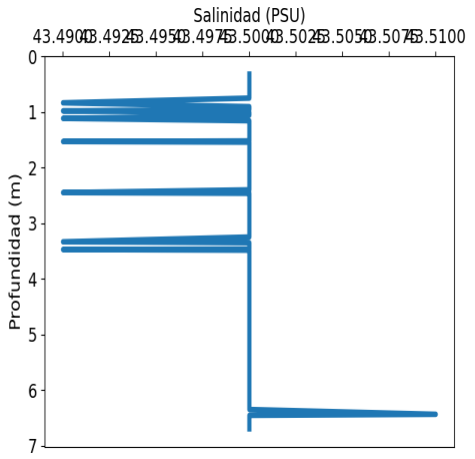


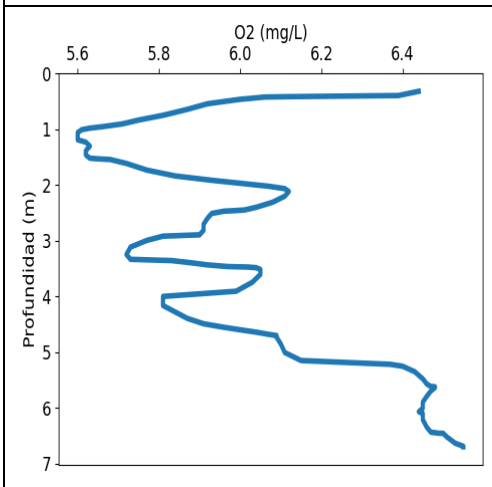


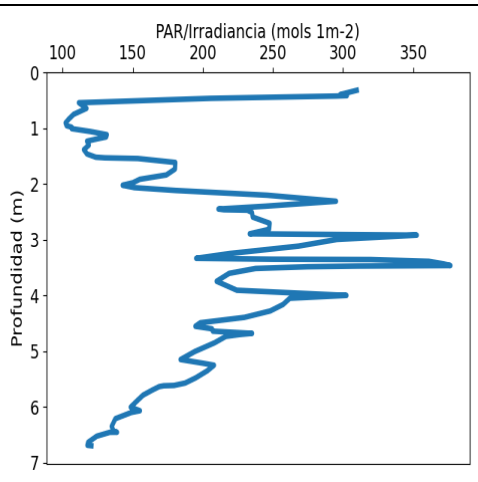












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.47	5.38	0.92	5.6	102.05	0.1	43.49
PROF (metros)	0.413	0.317	5.15	1.057	0.902	0.833	0.833
MÁXIMO	16.48	16.48	4.5	6.55	376.62	2.04	43.51
PROF (metros)	0.317	0.317	0.317	6.689	3.463	6.456	6.436

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E06 - Punto 004	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.47	5.38	1.54	5.95	180.25	0.33	43.5
1 - 2m	16.47	5.38	1.27	5.69	136.99	0.14	43.5
2 - 3m	16.48	5.38	1.27	5.98	235.26	0.65	43.5
3 - 4m	16.48	5.38	1.24	5.9	275.89	1.03	43.5
4 - 5m	16.48	5.38	1.24	5.97	224.09	1.03	43.5
5 - 6m	16.48	5.38	1.19	6.4	182.05	1.26	43.5
6 - 7m	16.48	5.38	1.25	6.49	134.54	1.89	43.5

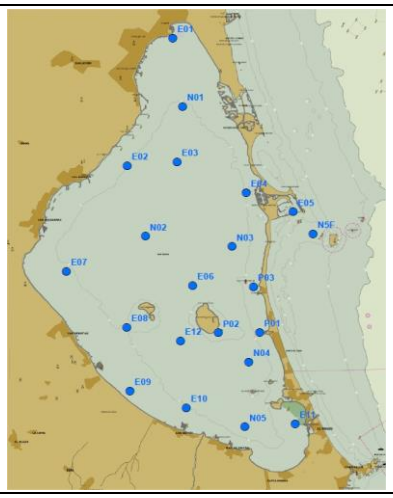
OBSERVACIONES GENERALES

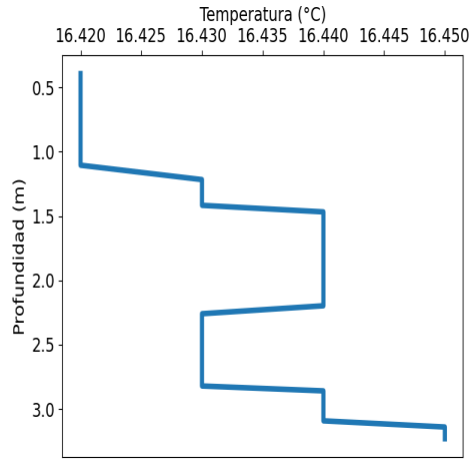
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.317	16.48	5.38	4.5	6.44	309.78	0.85	43.5
0.393	16.48	5.38	1.49	6.39	297.95	0.9	43.5
0.413	16.47	5.38	1.26	6.12	302.75	0.79	43.5
0.42	16.47	5.38	1.14	6.06	295.13	0.33	43.5
0.461	16.47	5.38	1.26	6.0	205.58	0.19	43.5
0.54	16.47	5.38	1.18	5.92	111.49	0.16	43.5
0.641	16.47	5.38	1.18	5.87	117.03	0.15	43.5
0.748	16.47	5.38	1.34	5.81	107.81	0.11	43.5
0.833	16.47	5.38	1.37	5.75	104.37	0.1	43.49
0.902	16.47	5.38	1.26	5.71	102.05	0.12	43.5
0.953	16.48	5.38	1.34	5.66	102.78	0.11	43.5
0.978	16.48	5.38	1.18	5.63	106.32	0.11	43.49
1.006	16.48	5.38	1.45	5.61	106.49	0.13	43.5
1.057	16.48	5.38	1.34	5.6	119.88	0.15	43.5
1.113	16.48	5.38	1.37	5.6	131.5	0.1	43.49
1.155	16.48	5.38	1.26	5.6	130.98	0.14	43.5
1.188	16.48	5.38	1.34	5.6	124.7	0.13	43.5
1.23	16.48	5.38	1.22	5.62	117.33	0.15	43.5
1.301	16.48	5.38	1.22	5.63	118.69	0.15	43.5
1.382	16.48	5.38	1.22	5.62	115.09	0.14	43.5
1.46	16.47	5.38	1.07	5.62	117.33	0.12	43.5
1.518	16.47	5.38	1.26	5.63	123.61	0.15	43.5
1.529	16.47	5.38	1.34	5.65	130.07	0.15	43.49
1.541	16.47	5.38	1.37	5.68	153.55	0.12	43.5
1.612	16.47	5.38	1.26	5.72	180.35	0.14	43.5
1.731	16.47	5.38	1.3	5.77	180.1	0.13	43.5
1.836	16.47	5.38	1.3	5.84	173.94	0.14	43.5
1.914	16.47	5.38	1.14	5.93	155.02	0.16	43.5
1.975	16.47	5.38	1.18	6.01	150.14	0.15	43.5
2.021	16.48	5.38	1.37	6.07	142.71	0.18	43.5
2.064	16.48	5.38	1.22	6.11	151.15	0.17	43.5
2.115	16.48	5.38	1.22	6.12	180.6	0.23	43.5
2.2	16.48	5.38	1.45	6.11	245.75	0.85	43.5
2.308	16.48	5.38	1.18	6.08	294.99	0.85	43.5
2.398	16.48	5.38	1.37	6.04	244.16	0.28	43.5

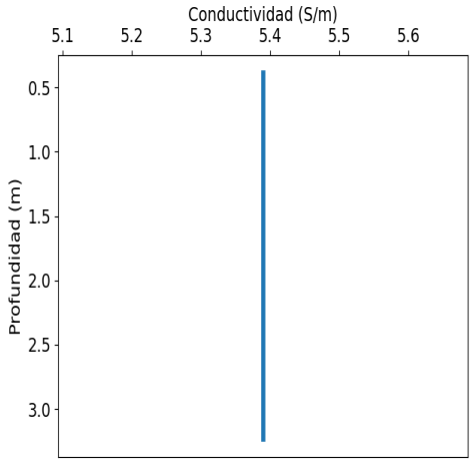
2.448	16.48	5.38	1.26	6.01	211.04	0.14	43.49
2.461	16.48	5.38	1.3	5.98	214.99	0.16	43.5
2.469	16.48	5.38	1.34	5.96	231.7	0.8	43.5
2.51	16.48	5.38	1.07	5.93	235.05	0.91	43.5
2.593	16.48	5.38	1.41	5.92	235.54	0.95	43.5
2.703	16.48	5.38	1.3	5.91	247.64	0.93	43.5
2.812	16.48	5.38	1.14	5.91	247.23	0.96	43.5
2.893	16.48	5.38	1.3	5.9	233.37	0.97	43.5
2.917	16.48	5.38	1.22	5.81	352.63	0.99	43.5
2.994	16.48	5.38	1.22	5.77	295.61	1.0	43.5
3.114	16.48	5.38	1.3	5.73	268.19	1.12	43.5
3.247	16.48	5.38	1.22	5.72	219.11	1.12	43.5
3.333	16.48	5.38	1.3	5.73	195.18	1.01	43.49
3.349	16.48	5.38	1.34	5.8	248.96	0.97	43.5
3.355	16.48	5.38	1.14	5.83	319.7	1.0	43.5
3.387	16.48	5.38	1.34	5.87	361.23	1.01	43.5
3.433	16.48	5.38	1.26	5.92	371.77	1.05	43.5
3.463	16.48	5.38	1.49	5.97	376.62	0.93	43.5
3.472	16.48	5.38	1.18	6.02	310.21	0.91	43.49
3.484	16.48	5.38	1.26	6.04	274.6	0.98	43.5
3.515	16.48	5.38	1.14	6.05	237.63	1.05	43.5
3.603	16.48	5.38	1.18	6.05	218.76	1.23	43.5
3.745	16.48	5.38	1.3	6.03	209.77	1.03	43.5
3.906	16.48	5.38	0.95	5.99	224.2	1.05	43.5
3.999	16.48	5.38	1.22	5.81	302.47	1.05	43.5
4.05	16.48	5.38	1.34	5.81	262.04	1.03	43.5
4.162	16.48	5.38	1.26	5.81	257.17	1.06	43.5
4.278	16.48	5.38	1.14	5.84	248.04	1.05	43.5
4.393	16.48	5.38	1.34	5.87	229.67	1.03	43.5
4.49	16.48	5.38	1.14	5.91	198.14	1.07	43.5
4.553	16.48	5.38	1.3	5.96	194.59	1.04	43.5
4.598	16.48	5.38	1.14	6.0	206.49	1.04	43.5
4.641	16.48	5.38	1.18	6.04	207.06	1.03	43.5
4.68	16.48	5.38	1.3	6.07	235.16	1.03	43.5
4.702	16.48	5.38	1.34	6.09	225.97	1.01	43.5
4.735	16.48	5.38	1.14	6.09	216.39	1.01	43.5
4.849	16.48	5.38	1.22	6.1	208.36	0.99	43.5
5.006	16.48	5.38	0.99	6.11	194.23	1.02	43.5
5.15	16.48	5.38	0.92	6.15	184.02	0.99	43.5
5.218	16.48	5.38	1.11	6.37	200.45	1.1	43.5
5.252	16.48	5.38	1.34	6.4	207.98	1.05	43.5
5.35	16.48	5.38	1.14	6.43	203.26	1.12	43.5
5.479	16.48	5.38	1.14	6.45	194.86	1.22	43.5
5.572	16.48	5.38	1.26	6.46	187.34	1.21	43.5
5.615	16.48	5.38	1.18	6.47	179.39	1.4	43.5
5.621	16.48	5.38	1.26	6.48	172.02	1.34	43.5
5.636	16.48	5.38	1.37	6.48	168.86	1.37	43.5
5.696	16.48	5.38	1.26	6.47	164.08	1.39	43.5
5.789	16.48	5.38	1.34	6.46	157.33	1.58	43.5
5.896	16.48	5.38	1.22	6.45	152.84	1.59	43.5
6.005	16.48	5.38	1.18	6.45	148.44	1.68	43.5
6.069	16.48	5.38	1.18	6.44	155.13	1.85	43.5
6.1	16.48	5.38	1.34	6.45	148.96	1.79	43.5
6.211	16.48	5.38	1.3	6.45	137.61	1.9	43.5
6.35	16.48	5.38	1.11	6.46	134.92	1.92	43.5
6.436	16.48	5.38	0.99	6.47	136.34	1.89	43.51
6.455	16.48	5.38	1.22	6.49	138.83	1.93	43.5
6.456	16.48	5.38	1.22	6.5	133.65	2.04	43.5

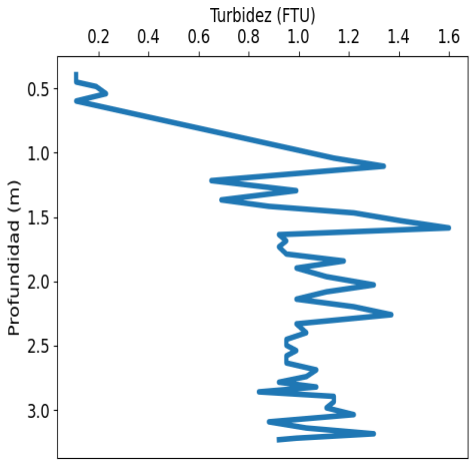
6.526	16.48	5.38	1.41	6.51	124.27	1.88	43.5
6.635	16.48	5.38	1.03	6.53	118.14	1.87	43.5
6.689	16.48	5.38	1.34	6.55	117.62	2.02	43.5
6.697	16.48	5.38	1.68	6.55	120.52	1.92	43.5

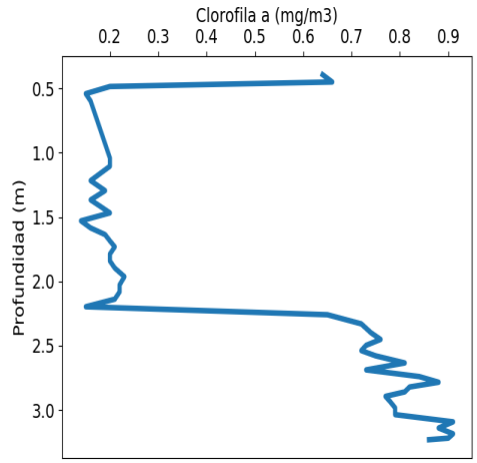
Nombre: CTD P02 - Punto 005 **Fecha: 15/11/2021** **Hora: 11:11:03**

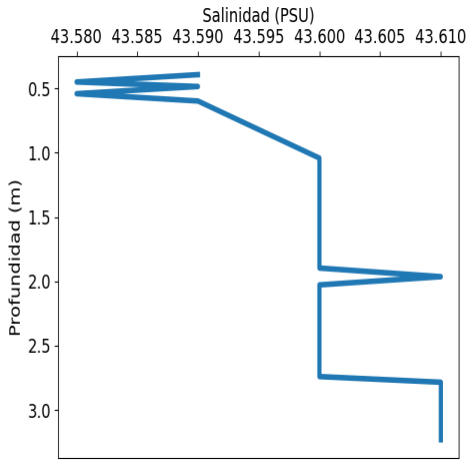


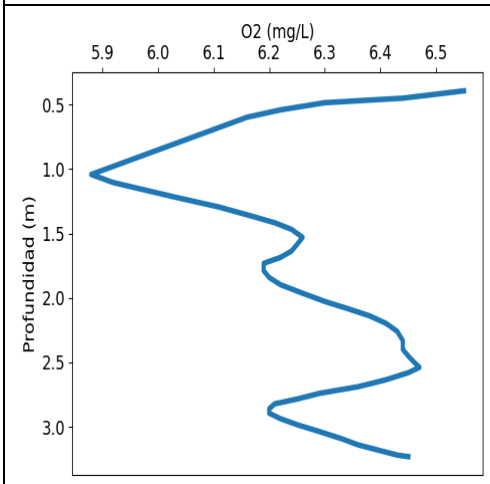


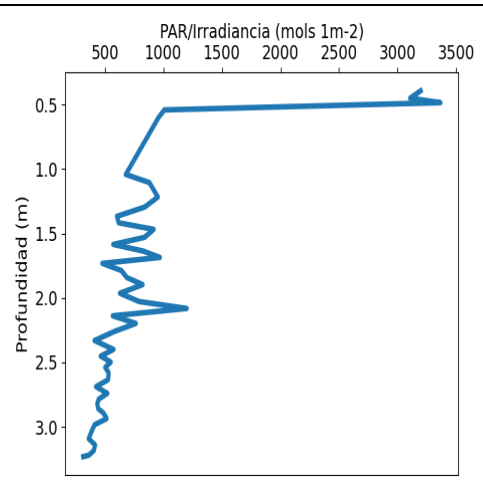


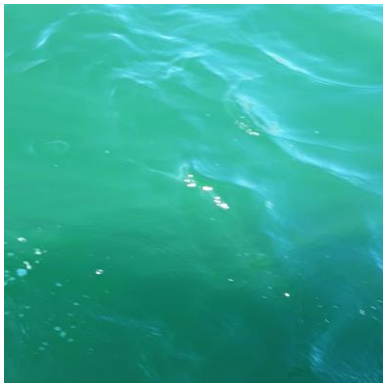












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.42	5.39	0.11	5.88	313.32	0.14	43.58
PROF (metros)	0.393	0.393	0.393	1.042	3.232	1.53	0.45
MÁXIMO	16.45	16.45	1.6	6.55	3366.9	0.91	43.61
PROF (metros)	3.141	0.393	1.585	0.393	0.485	3.093	1.964

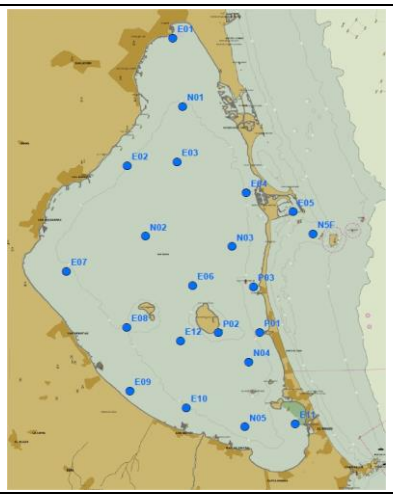
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P02 - Punto 005	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.42	5.39	0.15	6.33	2327.47	0.36	43.59
1 - 2m	16.43	5.39	1.06	6.16	746.1	0.19	43.6
2 - 3m	16.43	5.39	1.06	6.35	556.57	0.65	43.6
3 - 4m	16.45	5.39	1.06	6.38	373.15	0.88	43.61

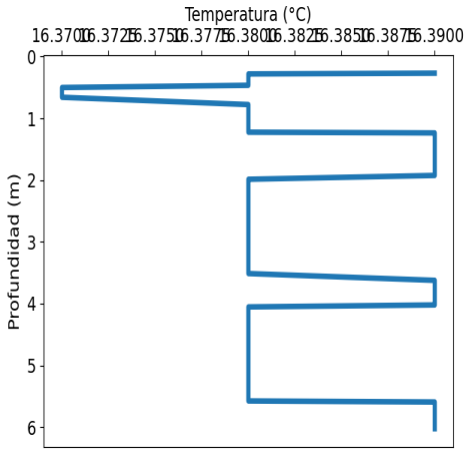
OBSERVACIONES GENERALES

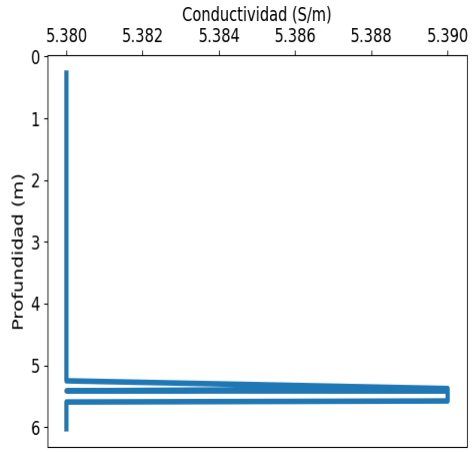
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.393	16.42	5.39	0.11	6.55	3197.3	0.64	43.59
0.45	16.42	5.39	0.11	6.44	3107.5	0.66	43.58
0.485	16.42	5.39	0.19	6.3	3366.9	0.2	43.59
0.541	16.42	5.39	0.23	6.22	1007.2	0.15	43.58
0.598	16.42	5.39	0.11	6.16	958.43	0.16	43.59
1.042	16.42	5.39	1.14	5.88	677.29	0.2	43.6
1.105	16.42	5.39	1.34	5.92	878.85	0.2	43.6
1.217	16.43	5.39	0.65	6.03	951.79	0.16	43.6
1.295	16.43	5.39	0.99	6.11	839.24	0.19	43.6
1.367	16.43	5.39	0.69	6.17	601.5	0.16	43.6
1.417	16.43	5.39	0.88	6.21	616.75	0.18	43.6
1.468	16.44	5.39	1.22	6.24	915.65	0.2	43.6
1.53	16.44	5.39	1.41	6.26	838.07	0.14	43.6
1.585	16.44	5.39	1.6	6.25	570.01	0.16	43.6
1.637	16.44	5.39	0.92	6.24	827.65	0.19	43.6
1.686	16.44	5.39	0.95	6.22	968.71	0.2	43.6
1.732	16.44	5.39	0.92	6.19	477.07	0.21	43.6
1.788	16.44	5.39	0.95	6.19	640.2	0.2	43.6
1.842	16.44	5.39	1.18	6.2	685.98	0.2	43.6
1.897	16.44	5.39	0.99	6.22	821.72	0.21	43.6
1.964	16.44	5.39	1.11	6.26	627.13	0.23	43.61
2.028	16.44	5.39	1.3	6.3	790.34	0.22	43.6
2.082	16.44	5.39	1.11	6.34	1198.4	0.22	43.6
2.139	16.44	5.39	0.99	6.38	566.19	0.21	43.6
2.198	16.44	5.39	1.22	6.41	763.33	0.15	43.6
2.26	16.43	5.39	1.37	6.43	581.89	0.65	43.6
2.331	16.43	5.39	0.99	6.44	409.87	0.72	43.6
2.4	16.43	5.39	1.03	6.44	572.79	0.74	43.6
2.452	16.43	5.39	0.95	6.45	462.69	0.76	43.6
2.498	16.43	5.39	0.95	6.46	549.52	0.73	43.6
2.539	16.43	5.39	0.99	6.47	501.21	0.72	43.6
2.58	16.43	5.39	0.95	6.45	530.62	0.75	43.6
2.635	16.43	5.39	0.95	6.41	526.33	0.81	43.6
2.689	16.43	5.39	1.07	6.36	422.8	0.73	43.6
2.741	16.43	5.39	1.03	6.29	520.27	0.84	43.6
2.785	16.43	5.39	0.92	6.25	446.57	0.88	43.61
2.822	16.43	5.39	1.07	6.21	433.42	0.82	43.61
2.86	16.44	5.39	0.84	6.2	442.14	0.81	43.61

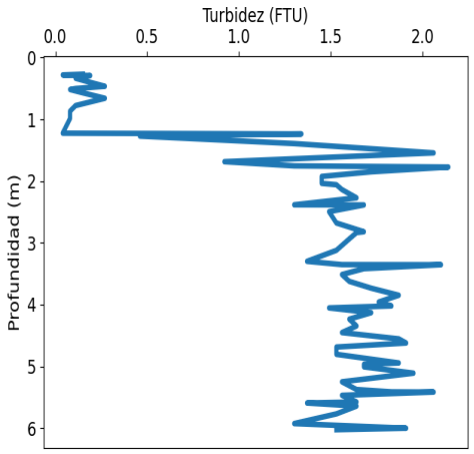
2.895	16.44	5.39	1.14	6.2	488.25	0.77	43.61
2.937	16.44	5.39	1.14	6.22	513.68	0.78	43.61
2.984	16.44	5.39	1.11	6.25	411.01	0.79	43.61
3.037	16.44	5.39	1.22	6.29	384.38	0.79	43.61
3.093	16.44	5.39	0.88	6.33	360.4	0.91	43.61
3.141	16.45	5.39	1.03	6.36	415.13	0.88	43.61
3.186	16.45	5.39	1.3	6.4	403.27	0.91	43.61
3.22	16.45	5.39	0.99	6.43	362.41	0.9	43.61
3.232	16.45	5.39	0.92	6.45	313.32	0.86	43.61

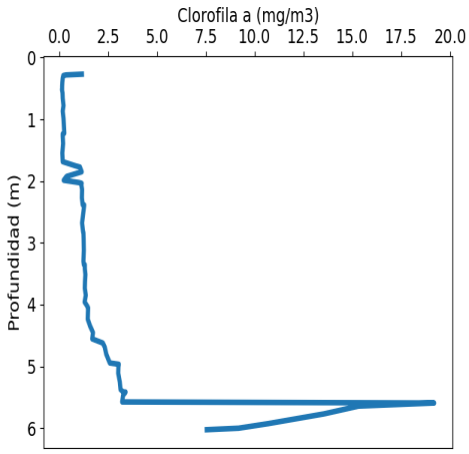
Nombre: CTD E12 - Punto 006 **Fecha: 15/11/2021** **Hora: 11:11:55**

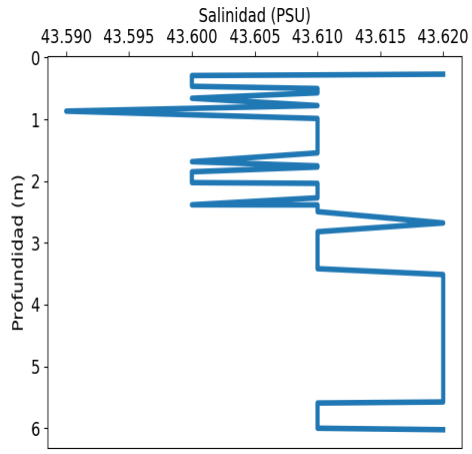


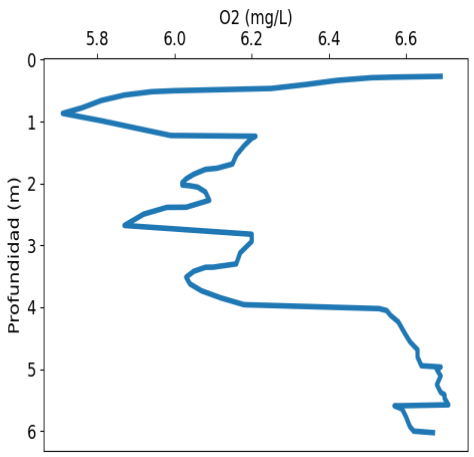


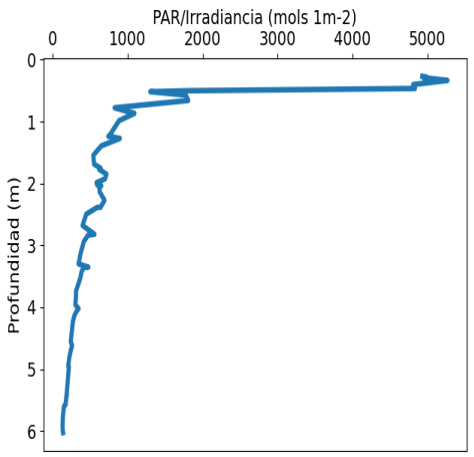












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.37	5.38	0.04	5.71	128.81	0.13	43.59
PROF (metros)	0.502	0.27	0.282	0.868	5.925	0.518	0.868
MÁXIMO	16.39	16.39	2.14	6.71	5267.5	19.18	43.62
PROF (metros)	0.27	5.374	1.773	5.575	0.336	5.592	0.27

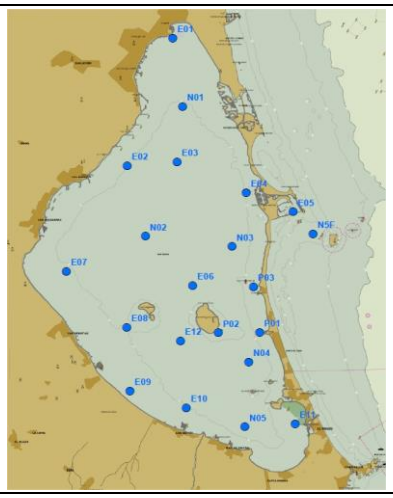
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E12 - Punto 006	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.38	5.38	0.14	6.13	3020.38	0.26	43.6
1 - 2m	16.39	5.38	1.29	6.11	670.02	0.43	43.61
2 - 3m	16.38	5.38	1.54	6.06	556.36	1.18	43.61
3 - 4m	16.38	5.38	1.67	6.1	360.91	1.29	43.61
4 - 5m	16.38	5.38	1.68	6.6	257.58	1.94	43.62
5 - 6m	16.39	5.38	1.65	6.66	171.72	7.01	43.62
6 - 7m	16.39	5.38	1.72	6.65	133.67	8.35	43.62

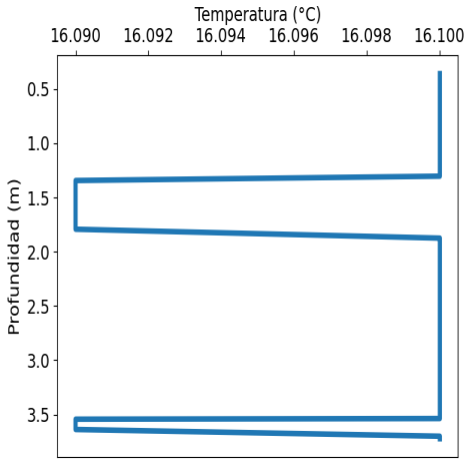
OBSERVACIONES GENERALES
CLOROFILA elevada en la(s) columna(s) de agua 5 - 6m, 6 - 7m con los valores 7.01, 8.35 respectivamente

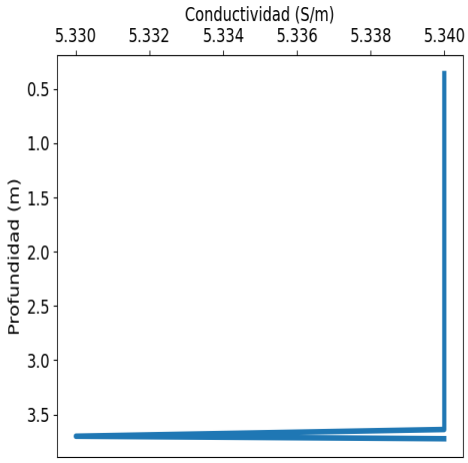
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.27	16.39	5.38	0.15	6.69	4930.8	1.15	43.62
0.282	16.38	5.38	0.04	6.57	4989.4	0.34	43.61
0.292	16.38	5.38	0.19	6.51	4949.1	0.2	43.6
0.336	16.38	5.38	0.11	6.42	5267.5	0.17	43.6
0.402	16.38	5.38	0.19	6.34	4808.9	0.15	43.6
0.466	16.38	5.38	0.27	6.25	4833.5	0.14	43.6
0.502	16.37	5.38	0.11	6.0	1812.5	0.14	43.61
0.518	16.37	5.38	0.08	5.94	1299.0	0.13	43.61
0.572	16.37	5.38	0.15	5.87	1774.6	0.16	43.61
0.66	16.37	5.38	0.27	5.81	1805.8	0.17	43.6
0.778	16.38	5.38	0.11	5.76	823.44	0.21	43.61
0.868	16.38	5.38	0.08	5.71	1088.7	0.17	43.59
0.987	16.38	5.38	0.08	5.81	881.71	0.21	43.61
1.225	16.38	5.38	0.04	5.99	755.76	0.25	43.61
1.237	16.39	5.38	1.34	6.21	739.48	0.17	43.61
1.272	16.39	5.38	0.46	6.2	894.05	0.17	43.61
1.393	16.39	5.38	1.3	6.18	645.86	0.19	43.61
1.544	16.39	5.38	2.06	6.16	539.8	0.15	43.61
1.686	16.39	5.38	0.92	6.15	548.24	0.17	43.6
1.754	16.39	5.38	1.3	6.11	636.5	0.83	43.61
1.773	16.39	5.38	2.14	6.08	618.47	1.05	43.61
1.85	16.39	5.38	1.72	6.05	715.04	1.14	43.6
1.925	16.39	5.38	1.45	6.03	694.94	0.37	43.6
1.987	16.38	5.38	1.45	6.02	582.03	0.22	43.6
2.025	16.38	5.38	1.45	6.02	592.23	1.01	43.6
2.037	16.38	5.38	1.45	6.04	646.46	1.14	43.61
2.059	16.38	5.38	1.53	6.06	620.19	1.12	43.61
2.137	16.38	5.38	1.56	6.08	624.23	1.16	43.61
2.271	16.38	5.38	1.64	6.09	688.85	1.15	43.61
2.384	16.38	5.38	1.3	6.03	636.2	1.19	43.6
2.386	16.38	5.38	1.68	5.98	590.59	1.27	43.61
2.495	16.38	5.38	1.49	5.92	445.02	1.23	43.61
2.678	16.38	5.38	1.53	5.87	395.32	1.16	43.62
2.82	16.38	5.38	1.68	6.2	554.38	1.21	43.61

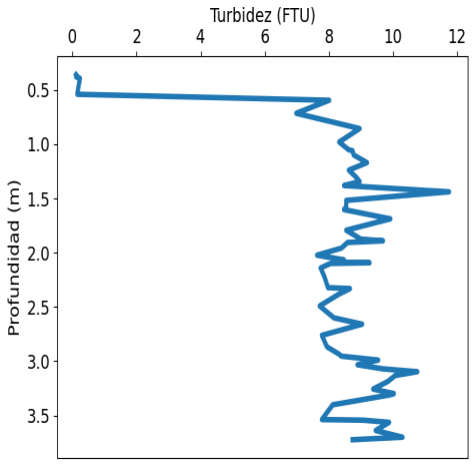
2.834	16.38	5.38	1.64	6.2	469.93	1.23	43.61
2.937	16.38	5.38	1.6	6.2	412.92	1.24	43.61
3.121	16.38	5.38	1.53	6.17	371.25	1.25	43.61
3.299	16.38	5.38	1.37	6.16	342.32	1.23	43.61
3.352	16.38	5.38	1.56	6.1	473.32	1.25	43.61
3.354	16.38	5.38	2.1	6.08	415.9	1.3	43.61
3.418	16.38	5.38	1.68	6.05	383.76	1.3	43.61
3.513	16.38	5.38	1.56	6.03	368.42	1.33	43.62
3.623	16.39	5.38	1.6	6.04	339.71	1.31	43.62
3.734	16.39	5.38	1.72	6.07	308.7	1.3	43.62
3.848	16.39	5.38	1.87	6.12	306.35	1.35	43.62
3.958	16.39	5.38	1.76	6.18	299.4	1.29	43.62
4.021	16.39	5.38	1.83	6.53	343.12	1.42	43.62
4.053	16.38	5.38	1.49	6.55	320.14	1.47	43.62
4.13	16.38	5.38	1.72	6.56	287.77	1.46	43.62
4.235	16.38	5.38	1.6	6.58	265.41	1.45	43.62
4.345	16.38	5.38	1.64	6.59	256.81	1.57	43.62
4.452	16.38	5.38	1.56	6.6	246.78	1.72	43.62
4.554	16.38	5.38	1.87	6.61	237.85	1.68	43.62
4.621	16.38	5.38	1.91	6.62	256.4	2.22	43.62
4.686	16.38	5.38	1.53	6.63	240.34	2.32	43.62
4.804	16.38	5.38	1.53	6.63	219.32	2.4	43.62
4.944	16.38	5.38	1.87	6.64	203.87	2.58	43.62
4.965	16.38	5.38	1.68	6.69	213.1	3.04	43.62
5.007	16.38	5.38	1.68	6.68	209.87	3.02	43.62
5.109	16.38	5.38	1.95	6.69	202.93	3.01	43.62
5.249	16.38	5.38	1.56	6.68	193.65	3.09	43.62
5.374	16.38	5.39	1.64	6.69	185.44	3.13	43.62
5.412	16.38	5.38	1.83	6.7	185.74	3.26	43.62
5.415	16.38	5.39	2.06	6.7	182.2	3.39	43.62
5.468	16.38	5.39	1.56	6.7	177.49	3.26	43.62
5.575	16.38	5.39	1.64	6.71	168.9	3.21	43.62
5.592	16.39	5.38	1.37	6.57	149.76	19.18	43.61
5.642	16.39	5.38	1.64	6.59	142.84	15.31	43.61
5.768	16.39	5.38	1.53	6.6	133.0	13.54	43.61
5.925	16.39	5.38	1.3	6.61	128.81	10.7	43.61
6.0	16.39	5.38	1.91	6.62	132.17	9.17	43.61
6.024	16.39	5.38	1.53	6.67	135.17	7.54	43.62

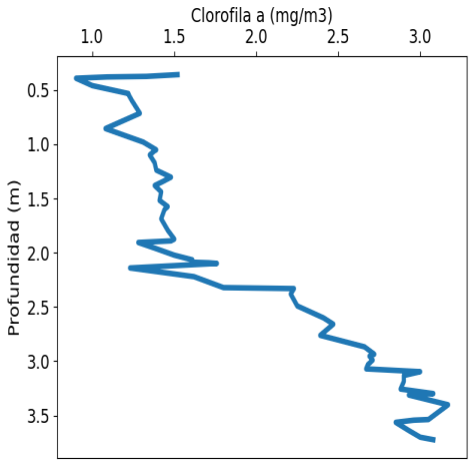
Nombre: CTD E09 - Punto 007 **Fecha: 15/11/2021** **Hora: 11:11:59**

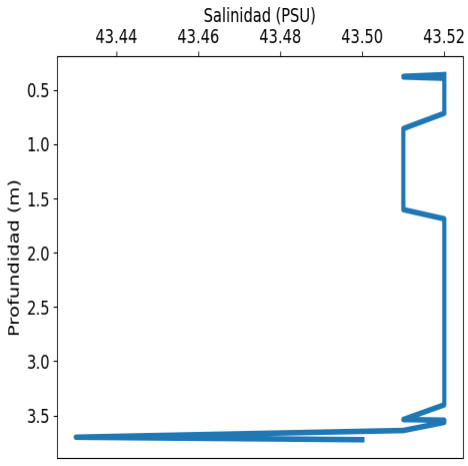


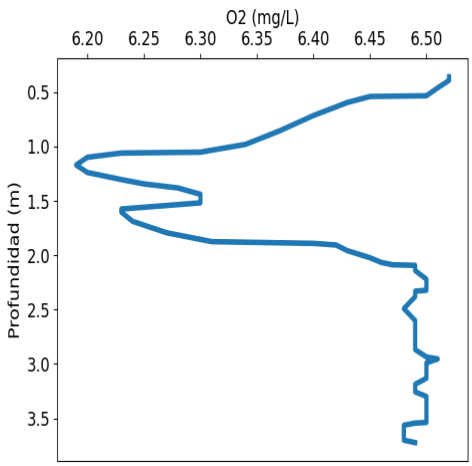


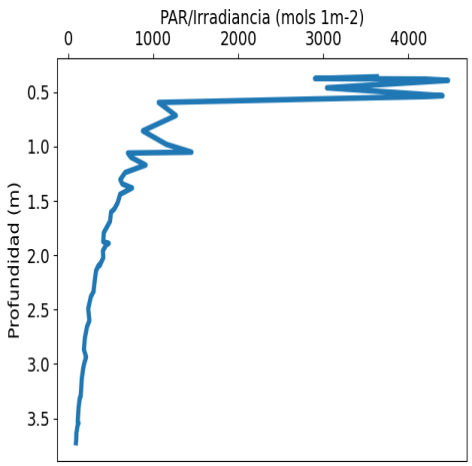












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.09	5.33	0.11	6.19	91.13	0.9	43.43
PROF (metros)	1.344	3.701	0.359	1.17	3.724	0.392	3.701
MÁXIMO	16.1	16.1	11.75	6.52	4467.2	3.17	43.52
PROF (metros)	0.359	0.359	1.439	0.359	0.392	3.402	0.359

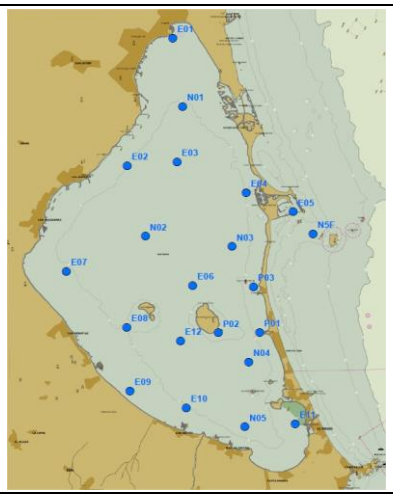
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E09 - Punto 007	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.1	5.34	3.03	6.46	2839.75	1.2	43.52
1 - 2m	16.1	5.34	8.98	6.28	631.38	1.41	43.51
2 - 3m	16.1	5.34	8.28	6.49	282.95	2.09	43.52
3 - 4m	16.1	5.34	9.46	6.49	134.23	2.94	43.51

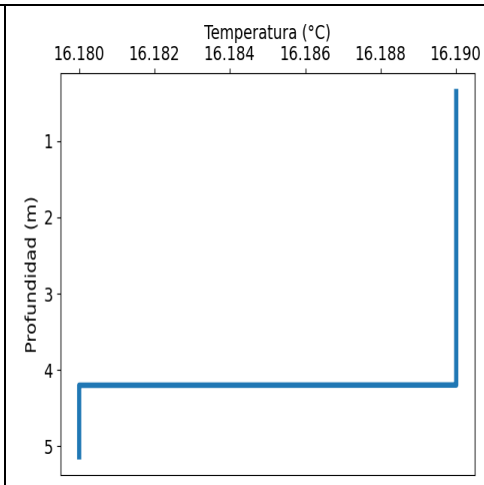
OBSERVACIONES GENERALES
CLOROFILA elevada en la(s) columna(s) de agua 2 - 3m, 3 - 4m con los valores 2.09, 2.94 respectivamente

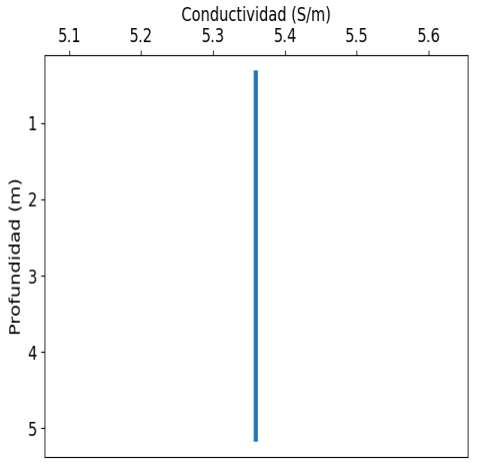
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.359	16.1	5.34	0.11	6.52	3629.5	1.52	43.52
0.375	16.1	5.34	0.15	6.52	2901.4	1.33	43.51
0.38	16.1	5.34	0.11	6.52	4203.0	1.09	43.51
0.392	16.1	5.34	0.23	6.52	4467.2	0.9	43.52
0.46	16.1	5.34	0.19	6.51	3042.6	1.0	43.52
0.533	16.1	5.34	0.15	6.5	4402.5	1.22	43.52
0.54	16.1	5.34	0.15	6.45	4228.4	1.22	43.52
0.595	16.1	5.34	8.01	6.43	1064.5	1.24	43.52
0.715	16.1	5.34	6.98	6.4	1266.3	1.29	43.52
0.856	16.1	5.34	8.96	6.37	877.83	1.08	43.51
0.98	16.1	5.34	8.32	6.34	1154.0	1.31	43.51
1.052	16.1	5.34	8.62	6.3	1449.9	1.39	43.51
1.06	16.1	5.34	8.74	6.23	701.9	1.38	43.51
1.099	16.1	5.34	8.77	6.2	738.79	1.35	43.51
1.17	16.1	5.34	9.19	6.19	910.58	1.38	43.51
1.239	16.1	5.34	8.62	6.2	670.88	1.39	43.51
1.304	16.1	5.34	8.85	6.23	612.48	1.48	43.51
1.344	16.09	5.34	8.96	6.25	636.65	1.43	43.51
1.381	16.09	5.34	8.47	6.28	751.22	1.38	43.51
1.439	16.09	5.34	11.75	6.3	611.48	1.42	43.51
1.518	16.09	5.34	8.54	6.3	581.22	1.41	43.51
1.575	16.09	5.34	8.54	6.23	542.56	1.46	43.51
1.603	16.09	5.34	8.47	6.23	504.12	1.44	43.51
1.688	16.09	5.34	9.92	6.24	491.89	1.42	43.52
1.793	16.09	5.34	8.54	6.27	418.32	1.46	43.52
1.875	16.1	5.34	9.0	6.31	411.77	1.5	43.52
1.891	16.1	5.34	9.69	6.4	476.73	1.48	43.52
1.906	16.1	5.34	8.58	6.42	445.64	1.28	43.52
1.958	16.1	5.34	8.39	6.43	408.64	1.38	43.52
2.023	16.1	5.34	7.63	6.45	412.35	1.5	43.52
2.066	16.1	5.34	8.47	6.46	387.33	1.61	43.52
2.088	16.1	5.34	8.28	6.47	366.21	1.61	43.52
2.093	16.1	5.34	9.27	6.49	373.58	1.71	43.52
2.099	16.1	5.34	8.05	6.49	353.53	1.76	43.52
2.141	16.1	5.34	7.74	6.49	328.26	1.23	43.52
2.221	16.1	5.34	7.86	6.5	313.9	1.62	43.52
2.322	16.1	5.34	7.97	6.5	299.4	1.8	43.52

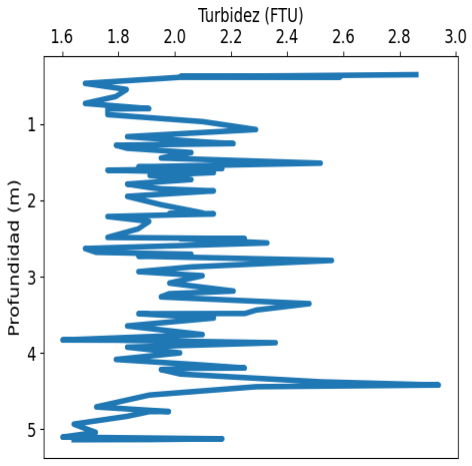
2.331	16.1	5.34	8.66	6.49	300.17	2.23	43.52
2.381	16.1	5.34	8.32	6.49	266.64	2.21	43.52
2.491	16.1	5.34	7.71	6.48	235.27	2.25	43.52
2.601	16.1	5.34	8.16	6.49	249.31	2.41	43.52
2.659	16.1	5.34	9.04	6.49	220.95	2.47	43.52
2.762	16.1	5.34	7.78	6.49	196.04	2.39	43.52
2.868	16.1	5.34	7.94	6.49	185.09	2.66	43.52
2.936	16.1	5.34	8.32	6.5	210.6	2.72	43.52
2.954	16.1	5.34	8.39	6.51	204.11	2.69	43.52
2.99	16.1	5.34	9.54	6.5	190.31	2.71	43.52
3.033	16.1	5.34	8.89	6.5	177.82	2.68	43.52
3.071	16.1	5.34	9.69	6.5	171.03	2.67	43.52
3.097	16.1	5.34	10.76	6.5	166.68	3.0	43.52
3.132	16.1	5.34	10.07	6.5	159.98	2.9	43.52
3.187	16.1	5.34	9.84	6.49	156.06	2.9	43.52
3.257	16.1	5.34	9.38	6.49	150.42	2.88	43.52
3.299	16.1	5.34	10.03	6.5	146.66	3.08	43.52
3.312	16.1	5.34	9.88	6.5	136.46	2.93	43.52
3.402	16.1	5.34	8.12	6.5	122.3	3.17	43.52
3.538	16.1	5.34	7.78	6.5	111.42	3.05	43.51
3.544	16.09	5.34	9.08	6.49	122.44	2.96	43.52
3.564	16.09	5.34	9.88	6.48	110.67	2.85	43.52
3.639	16.09	5.34	9.46	6.48	96.1	2.93	43.51
3.701	16.1	5.33	10.3	6.48	94.2	3.0	43.43
3.724	16.1	5.34	8.74	6.49	91.13	3.08	43.5

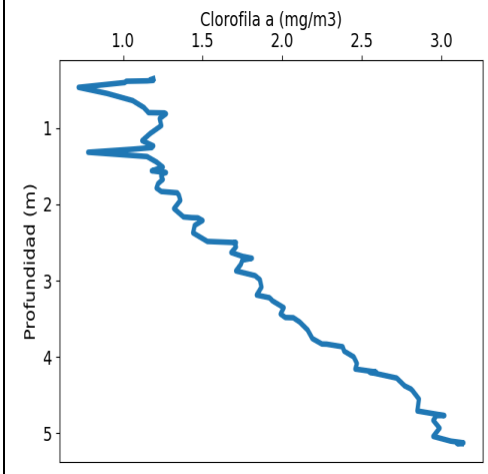
Nombre: CTD E10 - Punto 008 **Fecha: 15/11/2021** **Hora: 11:11:51**

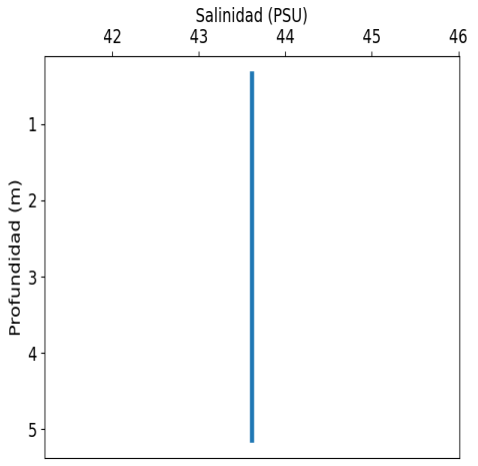


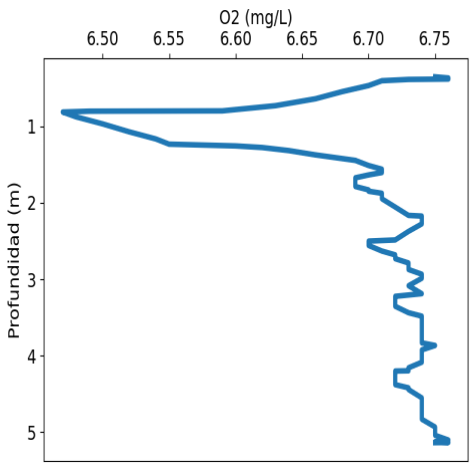


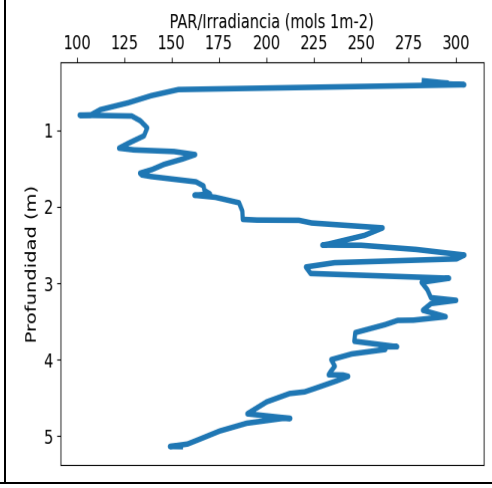












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.18	5.36	1.6	6.47	101.29	0.72	43.61
PROF (metros)	4.199	0.354	3.829	0.814	0.803	0.468	0.354
MÁXIMO	16.19	16.19	2.94	6.76	304.65	3.14	43.61
PROF (metros)	0.354	0.354	4.419	0.369	2.631	5.123	0.354

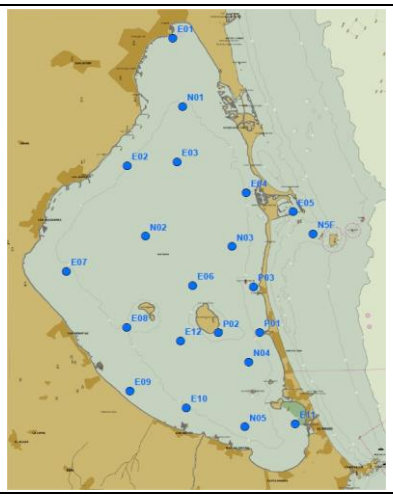
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E10 - Punto 008	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.19	5.36	2.01	6.64	193.09	1.11	43.61
1 - 2m	16.19	5.36	2.01	6.66	150.69	1.2	43.61
2 - 3m	16.19	5.36	2.0	6.72	244.62	1.62	43.61
3 - 4m	16.19	5.36	2.04	6.74	269.48	2.12	43.61
4 - 5m	16.18	5.36	2.06	6.73	217.17	2.76	43.61
5 - 6m	16.18	5.36	1.81	6.75	155.74	3.08	43.61

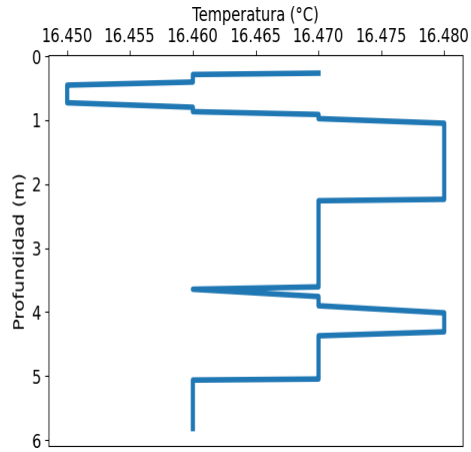
OBSERVACIONES GENERALES
CLOROFILA elevada en la(s) columna(s) de agua 3 - 4m, 4 - 5m, 5 - 6m con los valores 2.12, 2.76, 3.08 respectivamente

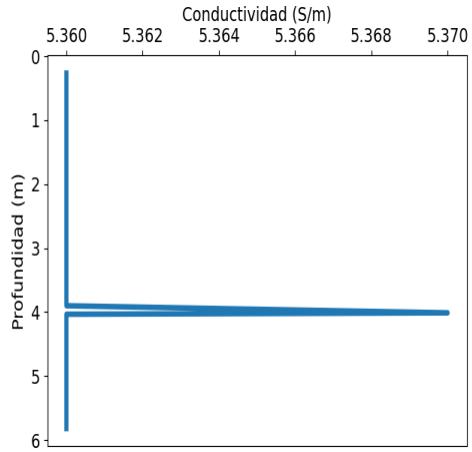
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.354	16.19	5.36	2.86	6.75	283.14	1.19	43.61
0.369	16.19	5.36	2.4	6.76	289.44	1.17	43.61
0.377	16.19	5.36	2.02	6.76	292.47	1.19	43.61
0.383	16.19	5.36	2.59	6.76	295.68	1.15	43.61
0.388	16.19	5.36	2.02	6.73	291.32	1.02	43.61
0.405	16.19	5.36	1.95	6.71	304.58	1.01	43.61
0.468	16.19	5.36	1.68	6.7	153.52	0.72	43.61
0.548	16.19	5.36	1.83	6.68	139.12	0.9	43.61
0.641	16.19	5.36	1.79	6.66	126.97	1.06	43.61
0.731	16.19	5.36	1.68	6.63	112.22	1.13	43.61
0.799	16.19	5.36	1.91	6.59	107.28	1.16	43.61
0.803	16.19	5.36	1.76	6.49	101.29	1.26	43.61
0.814	16.19	5.36	1.76	6.47	128.87	1.27	43.61
0.877	16.19	5.36	1.76	6.48	133.4	1.23	43.61
0.969	16.19	5.36	2.1	6.5	137.04	1.24	43.61
1.073	16.19	5.36	2.29	6.52	135.33	1.17	43.61
1.166	16.19	5.36	1.83	6.54	127.42	1.12	43.61
1.234	16.19	5.36	2.1	6.55	122.13	1.19	43.61
1.257	16.19	5.36	2.21	6.6	130.04	1.18	43.61
1.278	16.19	5.36	1.79	6.62	151.26	1.06	43.61
1.318	16.19	5.36	1.83	6.64	162.41	0.78	43.61
1.374	16.19	5.36	2.06	6.66	155.92	1.15	43.61
1.446	16.19	5.36	1.95	6.69	145.92	1.21	43.61
1.513	16.19	5.36	2.52	6.7	139.63	1.25	43.61
1.561	16.19	5.36	1.87	6.71	133.21	1.18	43.61
1.584	16.19	5.36	2.17	6.71	134.14	1.27	43.61
1.605	16.19	5.36	1.76	6.71	139.12	1.24	43.61
1.636	16.19	5.36	2.14	6.7	149.72	1.24	43.61
1.674	16.19	5.36	1.91	6.69	162.79	1.25	43.61
1.728	16.19	5.36	2.06	6.69	166.8	1.22	43.61
1.787	16.19	5.36	1.83	6.69	167.26	1.21	43.61
1.832	16.19	5.36	1.91	6.7	170.24	1.24	43.61
1.849	16.19	5.36	1.95	6.7	161.92	1.34	43.61
1.876	16.19	5.36	2.14	6.71	173.02	1.35	43.61
1.948	16.19	5.36	1.83	6.71	185.56	1.36	43.61

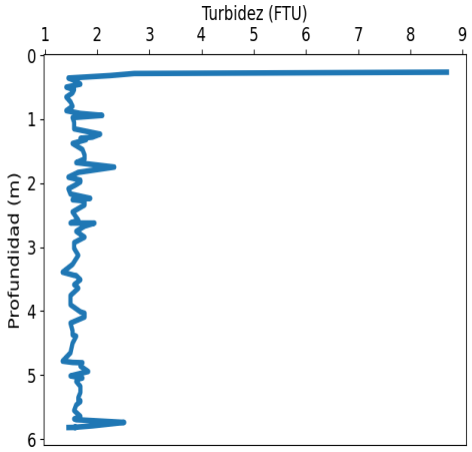
2.056	16.19	5.36	1.95	6.72	187.29	1.32	43.61
2.165	16.19	5.36	2.1	6.73	187.51	1.38	43.61
2.174	16.19	5.36	1.98	6.74	194.91	1.43	43.61
2.177	16.19	5.36	2.14	6.74	217.19	1.47	43.61
2.212	16.19	5.36	1.76	6.74	223.94	1.5	43.61
2.276	16.19	5.36	1.91	6.74	261.44	1.45	43.61
2.374	16.19	5.36	1.87	6.73	251.8	1.44	43.61
2.486	16.19	5.36	1.76	6.72	232.99	1.53	43.61
2.501	16.19	5.36	2.25	6.7	229.51	1.71	43.61
2.503	16.19	5.36	2.02	6.7	250.06	1.7	43.61
2.558	16.19	5.36	2.33	6.7	279.16	1.71	43.61
2.631	16.19	5.36	1.68	6.71	304.65	1.68	43.61
2.681	16.19	5.36	1.72	6.72	300.51	1.75	43.61
2.706	16.19	5.36	2.06	6.72	268.06	1.81	43.61
2.731	16.19	5.36	1.87	6.72	236.04	1.75	43.61
2.787	16.19	5.36	2.56	6.73	220.85	1.74	43.61
2.872	16.19	5.36	2.06	6.73	223.37	1.71	43.61
2.934	16.19	5.36	1.87	6.74	296.57	1.83	43.61
2.987	16.19	5.36	2.1	6.74	281.96	1.86	43.61
3.084	16.19	5.36	1.98	6.73	285.05	1.87	43.61
3.188	16.19	5.36	2.21	6.74	286.9	1.84	43.61
3.223	16.19	5.36	1.98	6.72	300.31	1.92	43.61
3.265	16.19	5.36	1.95	6.72	287.03	1.94	43.61
3.353	16.19	5.36	2.48	6.72	282.68	2.01	43.61
3.437	16.19	5.36	2.29	6.73	294.79	1.99	43.61
3.482	16.19	5.36	2.25	6.74	277.68	2.02	43.61
3.485	16.19	5.36	1.87	6.74	269.37	2.07	43.61
3.541	16.19	5.36	2.14	6.74	262.65	2.11	43.61
3.645	16.19	5.36	1.83	6.74	246.95	2.16	43.61
3.758	16.19	5.36	2.1	6.74	246.43	2.19	43.61
3.829	16.19	5.36	1.6	6.74	269.12	2.25	43.61
3.831	16.19	5.36	1.79	6.74	260.53	2.28	43.61
3.865	16.19	5.36	2.36	6.75	262.84	2.38	43.61
3.923	16.19	5.36	1.83	6.74	245.18	2.39	43.61
3.998	16.19	5.36	2.02	6.74	234.24	2.45	43.61
4.084	16.19	5.36	1.79	6.74	236.15	2.47	43.61
4.157	16.19	5.36	2.1	6.73	233.86	2.46	43.61
4.196	16.19	5.36	2.25	6.73	232.88	2.59	43.61
4.199	16.18	5.36	2.06	6.72	240.51	2.55	43.61
4.216	16.18	5.36	1.95	6.72	243.26	2.59	43.61
4.275	16.18	5.36	2.02	6.72	237.13	2.72	43.61
4.377	16.18	5.36	2.52	6.72	225.29	2.77	43.61
4.419	16.18	5.36	2.94	6.73	220.23	2.81	43.61
4.441	16.18	5.36	2.29	6.73	212.26	2.82	43.61
4.55	16.18	5.36	1.91	6.74	200.13	2.86	43.61
4.706	16.18	5.36	1.72	6.74	189.92	2.85	43.61
4.766	16.18	5.36	1.98	6.74	212.66	3.02	43.61
4.767	16.18	5.36	1.91	6.74	208.27	2.97	43.61
4.829	16.18	5.36	1.83	6.74	189.61	2.95	43.61
4.931	16.18	5.36	1.64	6.75	175.32	2.99	43.61
5.039	16.18	5.36	1.72	6.75	164.61	2.95	43.61
5.101	16.18	5.36	1.6	6.76	158.32	3.06	43.61
5.123	16.18	5.36	2.17	6.75	151.96	3.14	43.61
5.133	16.18	5.36	1.91	6.76	148.99	3.1	43.61
5.135	16.18	5.36	1.64	6.75	154.84	3.13	43.61

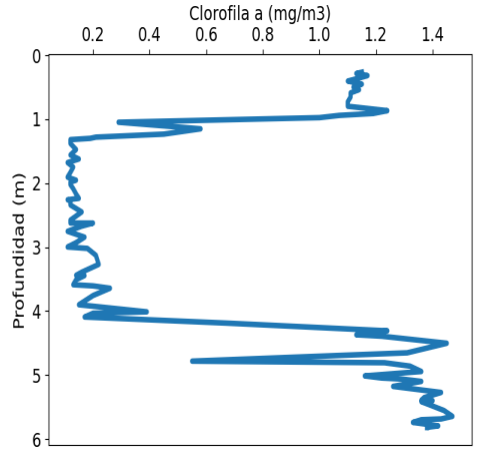
Nombre: CTD N05 - Punto 009 **Fecha: 15/11/2021** **Hora: 11:11:29**

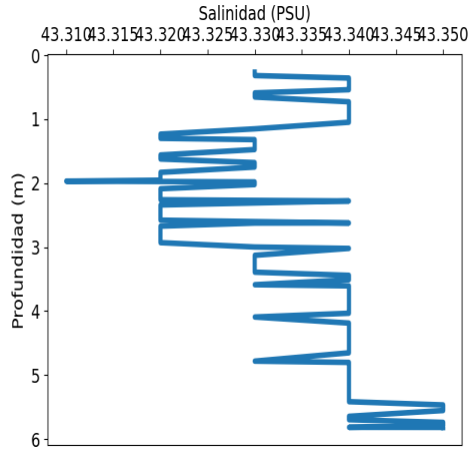


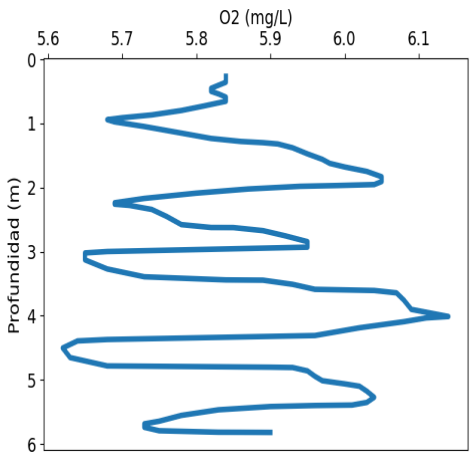


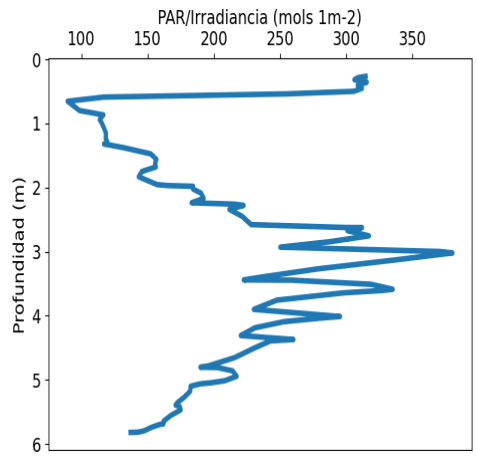












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.45	5.36	1.34	5.62	89.5	0.11	43.31
PROF (metros)	0.451	0.264	3.392	4.503	0.653	1.678	1.968
MÁXIMO	16.48	16.48	8.7	6.14	380.39	1.47	43.35
PROF (metros)	1.047	4.012	0.264	4.012	3.02	5.646	5.468

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N05 - Punto 009	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.46	5.36	2.13	5.8	205.37	1.13	43.34
1 - 2m	16.48	5.36	1.73	5.94	141.7	0.19	43.32
2 - 3m	16.47	5.36	1.64	5.8	249.34	0.14	43.32
3 - 4m	16.47	5.36	1.56	5.88	289.38	0.18	43.34
4 - 5m	16.47	5.36	1.6	5.88	232.27	0.95	43.34
5 - 6m	16.46	5.36	1.67	5.89	168.74	1.36	43.34

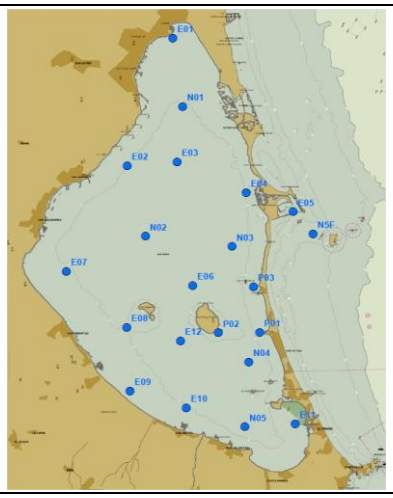
OBSERVACIONES GENERALES

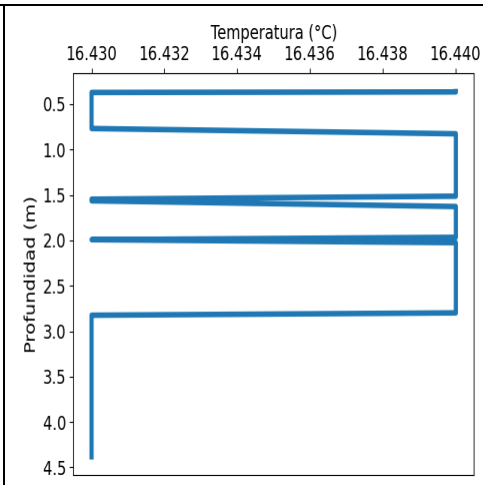
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.264	16.47	5.36	8.7	5.84	314.77	1.15	43.33
0.285	16.46	5.36	2.71	5.84	308.99	1.13	43.33
0.317	16.46	5.36	2.25	5.84	306.21	1.17	43.33
0.356	16.46	5.36	1.45	5.84	315.65	1.14	43.34
0.403	16.46	5.36	1.6	5.83	308.77	1.1	43.34
0.451	16.45	5.36	1.68	5.82	312.01	1.15	43.34
0.498	16.45	5.36	1.41	5.82	305.85	1.12	43.34
0.538	16.45	5.36	1.56	5.83	254.86	1.14	43.34
0.588	16.45	5.36	1.53	5.84	116.84	1.11	43.33
0.653	16.45	5.36	1.41	5.84	89.5	1.11	43.33
0.727	16.45	5.36	1.49	5.81	94.16	1.1	43.34
0.797	16.46	5.36	1.53	5.78	98.44	1.1	43.34
0.866	16.46	5.36	1.41	5.74	116.62	1.24	43.34
0.91	16.47	5.36	1.68	5.7	114.66	1.19	43.34
0.94	16.47	5.36	2.1	5.68	113.74	1.07	43.34
0.975	16.47	5.36	1.53	5.69	114.9	1.0	43.34
1.047	16.48	5.36	1.56	5.73	116.54	0.29	43.34
1.15	16.48	5.36	1.56	5.78	118.5	0.58	43.33
1.233	16.48	5.36	2.06	5.82	118.34	0.45	43.32
1.28	16.48	5.36	1.91	5.86	119.44	0.21	43.32
1.299	16.48	5.36	1.68	5.89	119.11	0.19	43.32
1.319	16.48	5.36	1.79	5.91	116.95	0.12	43.33
1.379	16.48	5.36	1.53	5.93	132.26	0.12	43.33
1.474	16.48	5.36	1.72	5.95	152.35	0.14	43.33
1.559	16.48	5.36	1.76	5.97	156.64	0.12	43.32
1.622	16.48	5.36	1.76	5.98	155.59	0.15	43.32
1.678	16.48	5.36	1.6	6.0	156.24	0.11	43.33
1.748	16.48	5.36	2.33	6.03	145.68	0.13	43.33
1.831	16.48	5.36	1.64	6.05	143.27	0.12	43.32
1.906	16.48	5.36	1.45	6.05	151.75	0.11	43.32
1.953	16.48	5.36	1.68	6.04	157.04	0.14	43.32
1.968	16.48	5.36	1.64	5.99	164.8	0.13	43.31
1.98	16.48	5.36	1.68	5.94	184.36	0.12	43.33
2.022	16.48	5.36	1.6	5.87	184.28	0.12	43.33
2.087	16.48	5.36	1.45	5.8	190.36	0.13	43.32
2.169	16.48	5.36	1.49	5.73	192.35	0.14	43.32

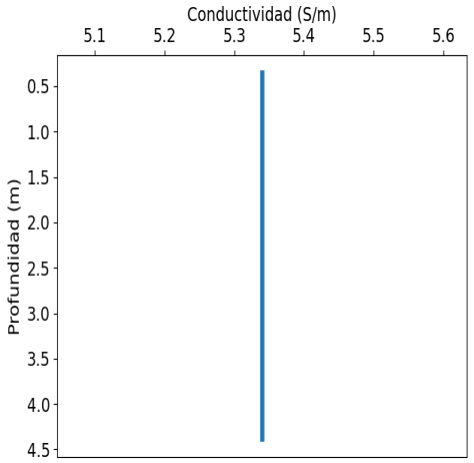
2.237	16.48	5.36	1.87	5.69	183.21	0.15	43.32
2.259	16.47	5.36	1.53	5.69	215.94	0.11	43.32
2.278	16.47	5.36	1.76	5.71	222.59	0.12	43.34
2.341	16.47	5.36	1.76	5.74	211.77	0.12	43.32
2.45	16.47	5.36	1.53	5.76	221.56	0.16	43.32
2.578	16.47	5.36	1.64	5.78	228.24	0.12	43.32
2.623	16.47	5.36	1.49	5.82	299.61	0.12	43.34
2.624	16.47	5.36	1.95	5.85	312.08	0.2	43.33
2.672	16.47	5.36	1.76	5.89	300.93	0.16	43.32
2.753	16.47	5.36	1.6	5.92	317.26	0.11	43.32
2.844	16.47	5.36	1.76	5.95	287.97	0.17	43.32
2.93	16.47	5.36	1.56	5.95	250.23	0.14	43.32
2.998	16.47	5.36	1.56	5.68	371.08	0.11	43.33
3.02	16.47	5.36	1.56	5.65	380.39	0.18	43.34
3.128	16.47	5.36	1.64	5.65	337.59	0.21	43.33
3.27	16.47	5.36	1.53	5.68	278.13	0.22	43.33
3.392	16.47	5.36	1.34	5.73	237.63	0.16	43.33
3.441	16.47	5.36	1.56	5.84	222.59	0.14	43.34
3.445	16.47	5.36	1.6	5.89	259.09	0.17	43.34
3.51	16.47	5.36	1.68	5.93	319.11	0.14	43.34
3.588	16.47	5.36	1.56	5.96	335.26	0.13	43.33
3.606	16.47	5.36	1.6	6.04	326.97	0.2	43.34
3.643	16.46	5.36	1.64	6.07	298.02	0.26	43.34
3.757	16.47	5.36	1.49	6.08	247.64	0.2	43.34
3.901	16.47	5.36	1.49	6.09	230.2	0.15	43.34
4.012	16.48	5.37	1.68	6.14	295.47	0.39	43.34
4.034	16.48	5.36	1.76	6.11	282.09	0.2	43.34
4.093	16.48	5.36	1.76	6.08	252.97	0.17	43.33
4.188	16.48	5.36	1.49	6.02	231.11	0.67	43.34
4.309	16.48	5.36	1.53	5.96	220.33	1.24	43.34
4.371	16.47	5.36	1.53	5.68	260.23	1.13	43.34
4.393	16.47	5.36	1.6	5.64	242.81	1.22	43.34
4.503	16.47	5.36	1.53	5.62	230.74	1.45	43.34
4.653	16.47	5.36	1.49	5.63	215.84	1.31	43.34
4.783	16.47	5.36	1.34	5.68	195.91	0.55	43.33
4.803	16.47	5.36	1.53	5.9	189.87	1.08	43.34
4.808	16.47	5.36	1.72	5.93	202.84	1.23	43.34
4.861	16.47	5.36	1.68	5.95	214.29	1.32	43.34
4.945	16.47	5.36	1.83	5.96	217.29	1.36	43.34
5.014	16.47	5.36	1.49	5.97	208.32	1.16	43.34
5.047	16.47	5.36	1.72	5.99	197.78	1.22	43.34
5.063	16.46	5.36	1.64	6.0	189.78	1.29	43.34
5.1	16.46	5.36	1.6	6.02	182.49	1.36	43.34
5.178	16.46	5.36	1.68	6.03	182.16	1.26	43.34
5.273	16.46	5.36	1.68	6.04	177.61	1.43	43.34
5.353	16.46	5.36	1.64	6.03	172.66	1.37	43.34
5.394	16.46	5.36	1.64	6.01	171.07	1.36	43.34
5.401	16.46	5.36	1.68	5.96	172.42	1.4	43.34
5.417	16.46	5.36	1.68	5.9	174.27	1.36	43.34
5.468	16.46	5.36	1.6	5.83	175.04	1.39	43.35
5.555	16.46	5.36	1.56	5.78	167.61	1.44	43.35
5.646	16.46	5.36	1.68	5.75	162.03	1.47	43.34
5.687	16.46	5.36	1.56	5.73	162.0	1.43	43.34
5.699	16.46	5.36	1.6	5.73	158.76	1.36	43.34
5.741	16.46	5.36	2.52	5.73	152.98	1.33	43.35
5.795	16.46	5.36	1.91	5.75	147.41	1.42	43.35
5.818	16.46	5.36	1.56	5.83	142.51	1.38	43.34
5.819	16.46	5.36	1.6	5.86	140.9	1.38	43.35

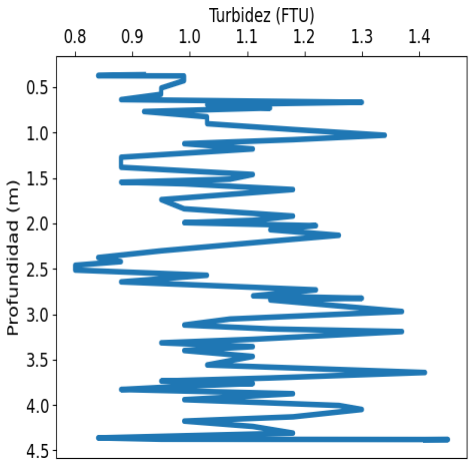
5.821	16.46	5.36	1.45	5.9	137.07	1.38	43.35

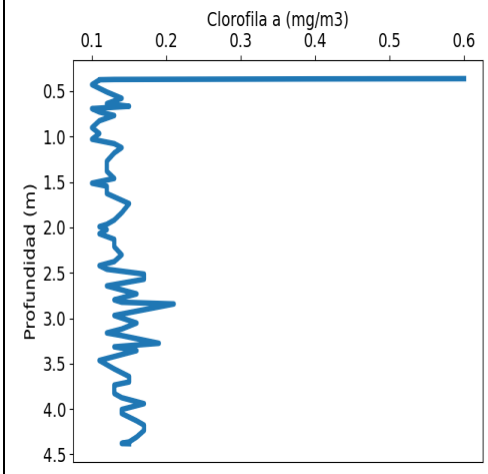
Nombre: CTD E11 - Punto 010 **Fecha: 15/11/2021** **Hora: 11:11:17**

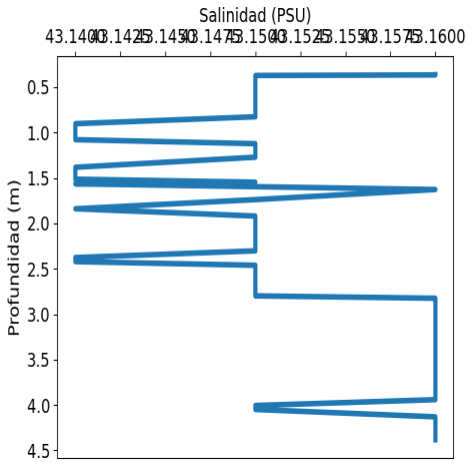


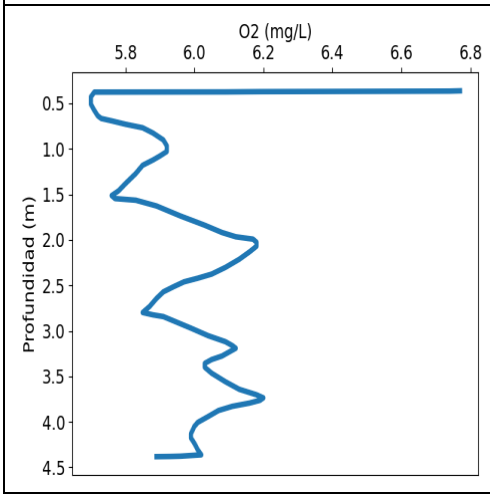


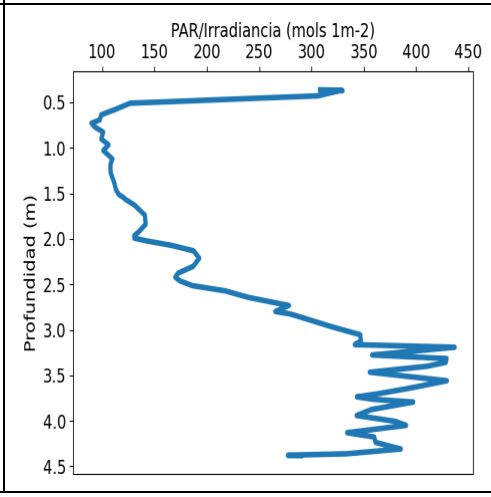












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.43	5.34	0.8	5.7	89.67	0.1	43.14
PROF (metros)	0.371	0.362	2.461	0.428	0.729	0.428	0.966
MÁXIMO	16.44	16.44	1.45	6.77	436.85	0.6	43.16
PROF (metros)	0.362	0.362	4.38	0.362	3.191	0.362	0.362

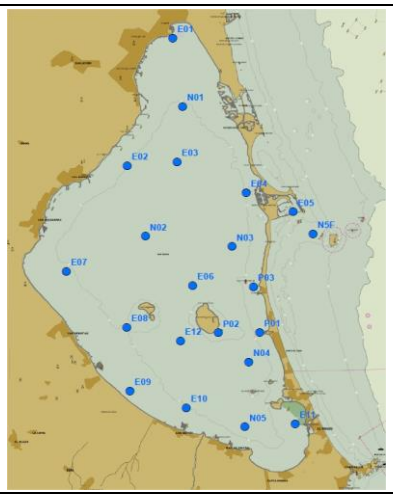
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E11 - Punto 010	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.43	5.34	0.99	5.95	183.27	0.17	43.15
1 - 2m	16.44	5.34	1.05	5.91	120.21	0.12	43.15
2 - 3m	16.44	5.34	1.07	6.0	216.5	0.14	43.15
3 - 4m	16.43	5.34	1.08	6.1	378.84	0.14	43.16
4 - 5m	16.43	5.34	1.17	5.98	338.86	0.15	43.16

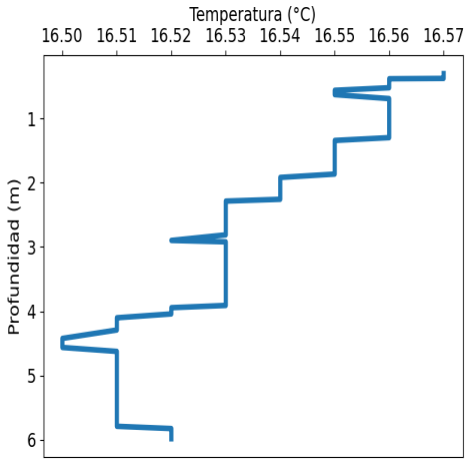
OBSERVACIONES GENERALES

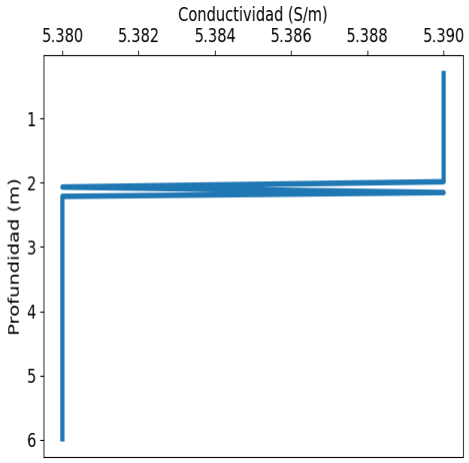
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.362	16.44	5.34	0.92	6.77	308.13	0.6	43.16
0.365	16.44	5.34	0.88	6.74	319.77	0.39	43.16
0.371	16.43	5.34	0.84	6.19	329.71	0.13	43.15
0.374	16.43	5.34	0.84	6.09	321.78	0.11	43.15
0.376	16.43	5.34	0.99	5.71	324.85	0.11	43.15
0.428	16.43	5.34	0.99	5.7	306.21	0.1	43.15
0.509	16.43	5.34	0.95	5.7	126.62	0.12	43.15
0.578	16.43	5.34	0.95	5.71	112.3	0.14	43.15
0.637	16.43	5.34	0.88	5.72	98.86	0.12	43.15
0.666	16.43	5.34	1.3	5.73	98.26	0.15	43.15
0.692	16.43	5.34	1.03	5.76	97.63	0.1	43.15
0.729	16.43	5.34	1.14	5.8	89.67	0.11	43.15
0.768	16.43	5.34	0.92	5.85	92.62	0.13	43.15
0.826	16.44	5.34	1.03	5.88	100.87	0.11	43.15
0.902	16.44	5.34	1.03	5.91	99.04	0.1	43.14
0.966	16.44	5.34	1.18	5.92	106.0	0.11	43.14
1.029	16.44	5.34	1.34	5.92	100.92	0.1	43.14
1.078	16.44	5.34	1.18	5.9	105.63	0.13	43.14
1.122	16.44	5.34	0.99	5.88	109.7	0.14	43.15
1.18	16.44	5.34	1.11	5.85	107.83	0.13	43.15
1.271	16.44	5.34	0.88	5.83	107.91	0.12	43.15
1.382	16.44	5.34	0.88	5.8	111.39	0.12	43.14
1.461	16.44	5.34	1.11	5.78	113.08	0.13	43.14
1.513	16.44	5.34	1.07	5.76	115.84	0.1	43.14
1.546	16.43	5.34	0.88	5.77	120.38	0.12	43.15
1.564	16.43	5.34	0.99	5.83	121.84	0.12	43.14
1.627	16.44	5.34	1.18	5.89	130.65	0.12	43.16
1.738	16.44	5.34	0.95	5.96	140.64	0.15	43.15
1.839	16.44	5.34	0.99	6.03	141.46	0.14	43.14
1.919	16.44	5.34	1.18	6.08	135.08	0.13	43.15
1.966	16.44	5.34	1.11	6.12	130.43	0.12	43.15
1.992	16.43	5.34	0.99	6.17	130.59	0.11	43.15
2.025	16.44	5.34	1.22	6.18	143.6	0.12	43.15
2.07	16.44	5.34	1.14	6.18	165.68	0.11	43.15
2.131	16.44	5.34	1.26	6.16	187.16	0.13	43.15
2.213	16.44	5.34	1.11	6.13	192.66	0.13	43.15
2.302	16.44	5.34	0.95	6.09	186.86	0.14	43.15

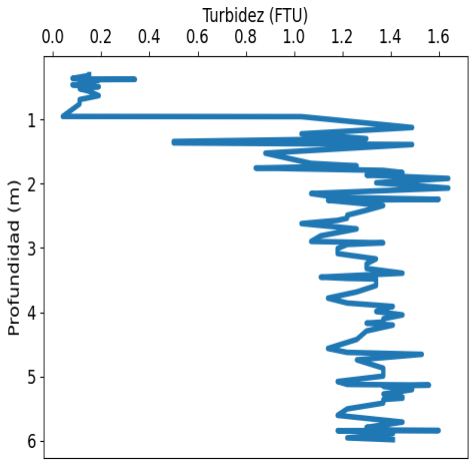
2.376	16.44	5.34	0.84	6.05	172.5	0.13	43.14
2.421	16.44	5.34	0.88	6.01	169.76	0.11	43.14
2.461	16.44	5.34	0.8	5.97	174.11	0.12	43.15
2.514	16.44	5.34	0.8	5.94	186.08	0.17	43.15
2.571	16.44	5.34	1.03	5.91	217.44	0.17	43.15
2.644	16.44	5.34	0.88	5.89	239.9	0.12	43.15
2.732	16.44	5.34	1.22	5.87	278.39	0.16	43.15
2.798	16.44	5.34	1.11	5.85	265.34	0.13	43.15
2.824	16.43	5.34	1.3	5.88	279.16	0.14	43.16
2.843	16.43	5.34	1.14	5.91	284.85	0.21	43.16
2.97	16.43	5.34	1.37	5.99	320.44	0.13	43.16
3.053	16.43	5.34	1.07	6.04	346.55	0.16	43.16
3.119	16.43	5.34	0.99	6.09	347.2	0.14	43.16
3.162	16.43	5.34	1.14	6.11	341.29	0.12	43.16
3.191	16.43	5.34	1.37	6.12	436.85	0.14	43.16
3.276	16.43	5.34	1.11	6.08	357.9	0.19	43.16
3.315	16.43	5.34	0.95	6.05	429.12	0.13	43.16
3.357	16.43	5.34	1.11	6.03	428.32	0.16	43.16
3.4	16.43	5.34	0.99	6.03	410.35	0.14	43.16
3.465	16.43	5.34	1.11	6.05	355.58	0.11	43.16
3.559	16.43	5.34	1.03	6.09	429.42	0.13	43.16
3.642	16.43	5.34	1.41	6.13	393.12	0.15	43.16
3.702	16.43	5.34	1.14	6.18	363.5	0.15	43.16
3.736	16.43	5.34	0.95	6.2	343.28	0.13	43.16
3.763	16.43	5.34	1.11	6.19	359.4	0.13	43.16
3.793	16.43	5.34	0.99	6.16	397.15	0.13	43.16
3.829	16.43	5.34	0.88	6.11	379.6	0.13	43.16
3.875	16.43	5.34	1.18	6.07	357.4	0.14	43.16
3.941	16.43	5.34	0.99	6.04	343.04	0.17	43.16
4.005	16.43	5.34	1.26	6.01	379.95	0.14	43.15
4.049	16.43	5.34	1.3	6.0	390.4	0.14	43.15
4.13	16.43	5.34	1.18	5.99	333.94	0.16	43.16
4.177	16.43	5.34	0.99	5.99	359.9	0.17	43.16
4.236	16.43	5.34	1.11	6.0	361.15	0.17	43.16
4.309	16.43	5.34	1.18	6.01	385.36	0.16	43.16
4.362	16.43	5.34	0.84	6.02	332.93	0.15	43.16
4.377	16.43	5.34	0.95	5.96	277.74	0.14	43.16
4.38	16.43	5.34	1.45	5.93	277.36	0.14	43.16
4.382	16.43	5.34	1.41	5.89	289.91	0.15	43.16

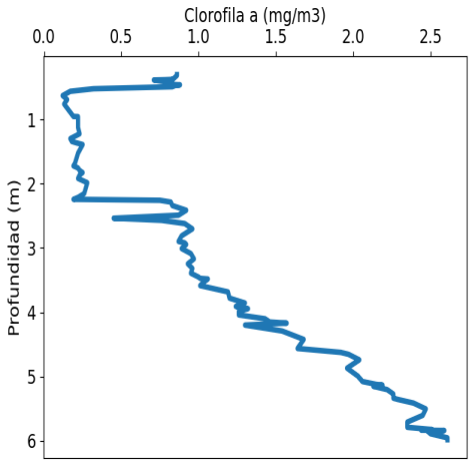
Nombre: CTD N04 - Punto 011 **Fecha: 15/11/2021** **Hora: 12:11:32**

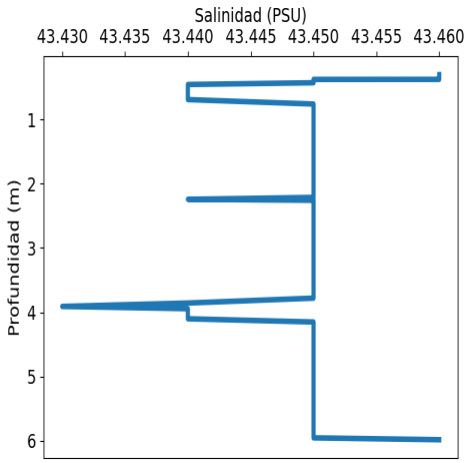


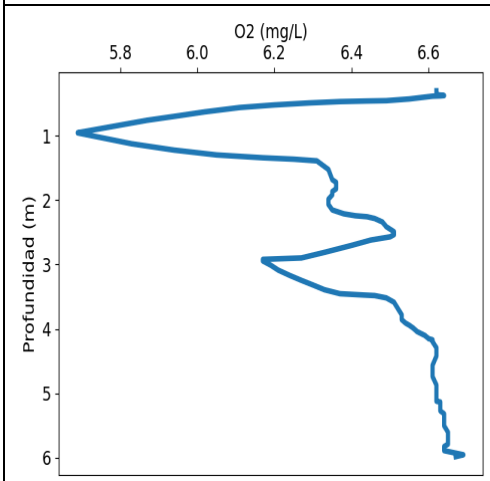


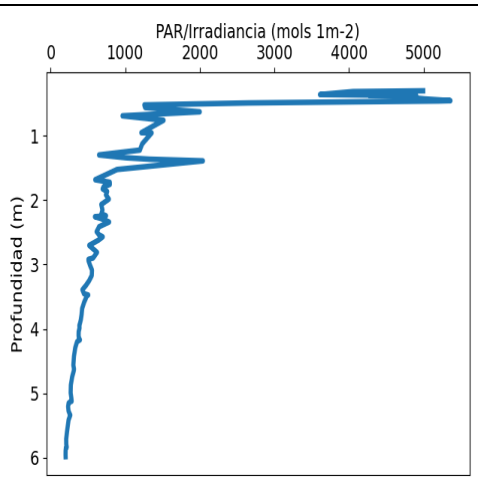












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.5	5.38	0.04	5.69	199.67	0.12	43.43
PROF (metros)	4.423	2.069	0.955	0.955	5.954	0.631	3.91
MÁXIMO	16.57	16.57	1.64	6.69	5361.1	2.61	43.46
PROF (metros)	0.305	0.305	1.919	5.954	0.458	5.954	0.305

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N04 - Punto 011	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.56	5.39	0.19	6.32	3333.59	0.59	43.45
1 - 2m	16.55	5.39	1.16	6.25	947.07	0.22	43.45
2 - 3m	16.53	5.38	1.25	6.39	636.4	0.69	43.45
3 - 4m	16.53	5.38	1.28	6.42	459.56	1.08	43.45
4 - 5m	16.51	5.38	1.34	6.61	328.29	1.68	43.45
5 - 6m	16.51	5.38	1.36	6.64	230.19	2.37	43.45

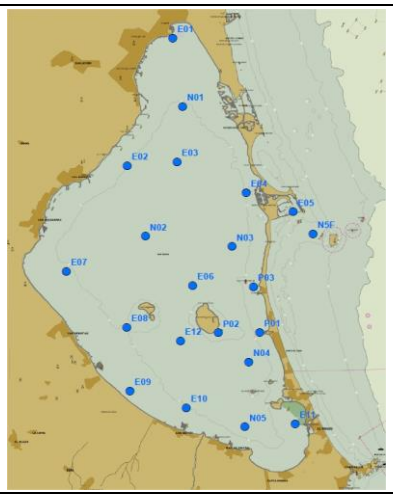
OBSERVACIONES GENERALES
CLOROFILA elevada en la(s) columna(s) de agua 5 - 6m con los valores 2.37 respectivamente

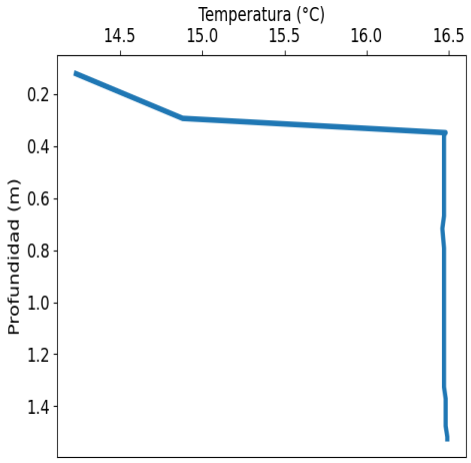
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.305	16.57	5.39	0.15	6.62	4995.2	0.86	43.46
0.317	16.57	5.39	0.15	6.62	4053.8	0.86	43.46
0.363	16.57	5.39	0.08	6.62	3611.0	0.84	43.46
0.378	16.57	5.39	0.15	6.64	4902.3	0.83	43.46
0.379	16.57	5.39	0.34	6.64	4276.7	0.83	43.45
0.384	16.56	5.39	0.11	6.63	4645.7	0.78	43.45
0.388	16.56	5.39	0.19	6.61	4646.7	0.71	43.45
0.431	16.56	5.39	0.15	6.55	5018.4	0.83	43.45
0.458	16.56	5.39	0.11	6.49	5361.1	0.83	43.44
0.463	16.56	5.39	0.08	6.44	5193.6	0.88	43.44
0.472	16.56	5.39	0.11	6.37	4415.7	0.85	43.44
0.493	16.56	5.39	0.19	6.29	2650.7	0.83	43.44
0.524	16.56	5.39	0.11	6.2	1256.1	0.32	43.44
0.564	16.55	5.39	0.15	6.11	1266.3	0.17	43.44
0.631	16.55	5.39	0.19	6.02	1999.2	0.12	43.44
0.693	16.56	5.39	0.11	5.95	962.66	0.15	43.44
0.762	16.56	5.39	0.11	5.87	1513.8	0.13	43.45
0.955	16.56	5.39	0.04	5.69	1215.4	0.19	43.45
0.958	16.56	5.39	1.03	5.69	1353.8	0.22	43.45
1.127	16.56	5.39	1.49	5.83	1227.6	0.22	43.45
1.225	16.56	5.39	1.03	5.94	1195.6	0.23	43.45
1.3	16.56	5.39	1.3	6.05	648.56	0.17	43.45
1.344	16.55	5.39	0.5	6.17	1013.3	0.18	43.45
1.366	16.55	5.39	0.5	6.25	1322.7	0.21	43.45
1.392	16.55	5.39	1.49	6.31	2041.3	0.25	43.45
1.526	16.55	5.39	0.88	6.34	889.71	0.22	43.45
1.685	16.55	5.39	1.07	6.35	596.64	0.2	43.45
1.724	16.55	5.39	1.26	6.36	792.36	0.19	43.45
1.757	16.55	5.39	0.84	6.36	793.46	0.22	43.45
1.794	16.55	5.39	1.37	6.36	709.92	0.23	43.45
1.828	16.55	5.39	1.45	6.36	696.55	0.25	43.45
1.867	16.55	5.39	1.3	6.35	757.87	0.23	43.45
1.919	16.54	5.39	1.64	6.35	740.51	0.22	43.45
1.986	16.54	5.39	1.34	6.34	779.97	0.28	43.45
2.069	16.54	5.38	1.64	6.34	677.92	0.27	43.45

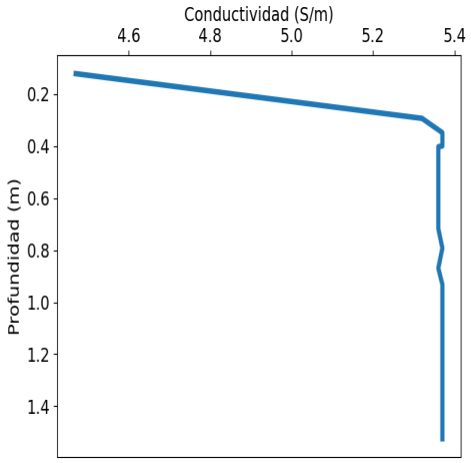
2.154	16.54	5.39	1.07	6.35	694.46	0.26	43.45
2.214	16.54	5.38	1.18	6.38	680.12	0.22	43.45
2.244	16.54	5.38	1.6	6.41	742.05	0.19	43.44
2.259	16.54	5.38	1.14	6.44	592.37	0.75	43.45
2.287	16.53	5.38	1.22	6.46	674.63	0.82	43.45
2.341	16.53	5.38	1.37	6.48	783.59	0.83	43.45
2.414	16.53	5.38	1.3	6.49	649.61	0.92	43.45
2.491	16.53	5.38	1.22	6.51	616.18	0.87	43.45
2.538	16.53	5.38	1.22	6.51	646.91	0.45	43.45
2.571	16.53	5.38	1.18	6.5	698.33	0.76	43.45
2.621	16.53	5.38	1.03	6.45	642.28	0.91	43.45
2.704	16.53	5.38	1.26	6.4	516.18	0.96	43.45
2.812	16.53	5.38	1.11	6.33	621.34	0.89	43.45
2.899	16.52	5.38	1.07	6.27	568.96	0.87	43.45
2.921	16.53	5.38	1.37	6.17	505.99	0.91	43.45
2.946	16.53	5.38	1.22	6.17	507.87	0.92	43.45
3.01	16.53	5.38	1.18	6.19	527.06	0.89	43.45
3.088	16.53	5.38	1.18	6.21	553.86	0.95	43.45
3.171	16.53	5.38	1.34	6.24	550.79	0.97	43.45
3.247	16.53	5.38	1.3	6.27	518.1	0.93	43.45
3.319	16.53	5.38	1.3	6.3	476.96	0.96	43.45
3.393	16.53	5.38	1.45	6.33	425.26	0.95	43.45
3.454	16.53	5.38	1.11	6.37	446.16	1.0	43.45
3.474	16.53	5.38	1.22	6.43	503.65	1.01	43.45
3.483	16.53	5.38	1.34	6.46	483.41	1.06	43.45
3.519	16.53	5.38	1.34	6.49	473.43	1.04	43.45
3.586	16.53	5.38	1.34	6.51	448.96	1.01	43.45
3.684	16.53	5.38	1.26	6.52	421.72	1.19	43.45
3.781	16.53	5.38	1.14	6.53	414.07	1.2	43.45
3.857	16.53	5.38	1.22	6.53	404.49	1.3	43.44
3.91	16.53	5.38	1.41	6.54	393.67	1.24	43.43
3.945	16.52	5.38	1.37	6.55	384.56	1.32	43.44
3.988	16.52	5.38	1.34	6.56	386.35	1.26	43.44
4.042	16.52	5.38	1.45	6.57	375.32	1.26	43.44
4.102	16.51	5.38	1.37	6.59	374.27	1.43	43.44
4.152	16.51	5.38	1.37	6.6	378.37	1.46	43.45
4.17	16.51	5.38	1.3	6.61	392.76	1.57	43.45
4.2	16.51	5.38	1.41	6.61	352.79	1.3	43.45
4.292	16.51	5.38	1.3	6.62	329.71	1.54	43.45
4.423	16.5	5.38	1.26	6.62	312.37	1.68	43.45
4.564	16.5	5.38	1.14	6.61	303.88	1.64	43.45
4.625	16.51	5.38	1.22	6.61	313.1	1.92	43.45
4.655	16.51	5.38	1.53	6.61	308.56	1.97	43.45
4.741	16.51	5.38	1.26	6.61	288.7	2.04	43.45
4.87	16.51	5.38	1.37	6.62	270.31	1.96	43.45
4.993	16.51	5.38	1.37	6.62	267.63	2.03	43.45
5.078	16.51	5.38	1.18	6.62	277.74	2.06	43.45
5.123	16.51	5.38	1.22	6.62	281.37	2.15	43.45
5.134	16.51	5.38	1.56	6.63	258.43	2.19	43.45
5.152	16.51	5.38	1.37	6.63	240.23	2.13	43.45
5.204	16.51	5.38	1.49	6.63	233.32	2.22	43.45
5.272	16.51	5.38	1.37	6.63	238.95	2.26	43.45
5.318	16.51	5.38	1.45	6.64	254.38	2.26	43.45
5.337	16.51	5.38	1.45	6.64	263.08	2.26	43.45
5.357	16.51	5.38	1.37	6.64	257.11	2.29	43.45
5.413	16.51	5.38	1.37	6.64	239.95	2.39	43.45
5.504	16.51	5.38	1.22	6.64	229.35	2.47	43.45
5.604	16.51	5.38	1.18	6.65	218.0	2.45	43.45

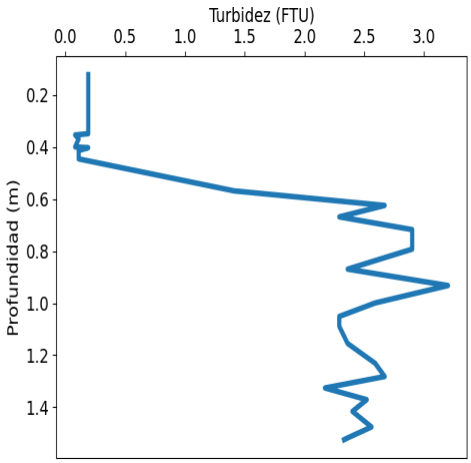
5.709	16.51	5.38	1.45	6.65	208.12	2.35	43.45
5.79	16.51	5.38	1.3	6.65	208.99	2.35	43.45
5.825	16.52	5.38	1.37	6.64	213.35	2.51	43.45
5.835	16.52	5.38	1.41	6.64	214.64	2.44	43.45
5.84	16.52	5.38	1.6	6.64	212.81	2.59	43.45
5.842	16.52	5.38	1.18	6.64	209.38	2.58	43.45
5.846	16.52	5.38	1.41	6.64	204.54	2.48	43.45
5.89	16.52	5.38	1.41	6.64	200.41	2.5	43.45
5.954	16.52	5.38	1.22	6.69	199.67	2.61	43.45
5.983	16.52	5.38	1.41	6.67	200.36	2.61	43.46

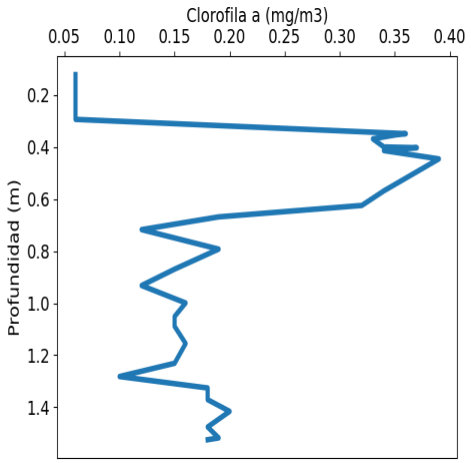
Nombre: CTD P01 - Punto 012 **Fecha: 15/11/2021** **Hora: 12:11:38**

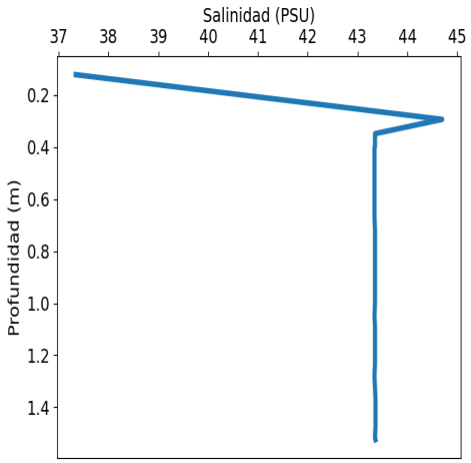


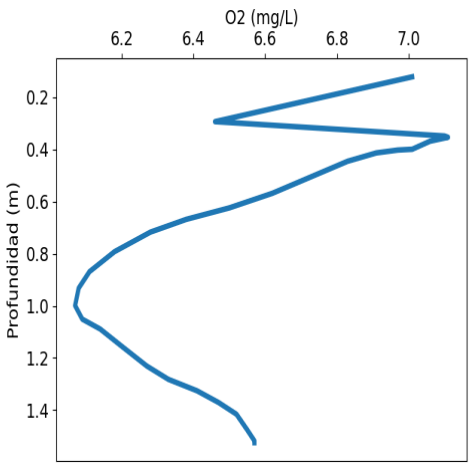


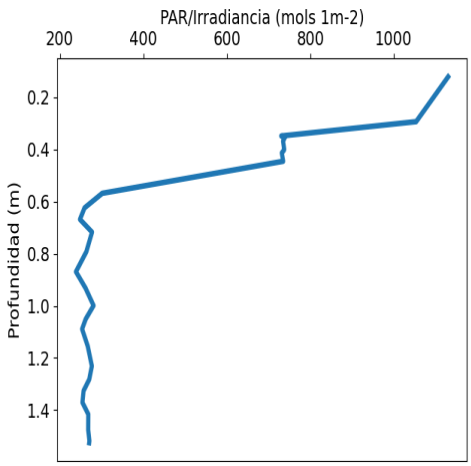












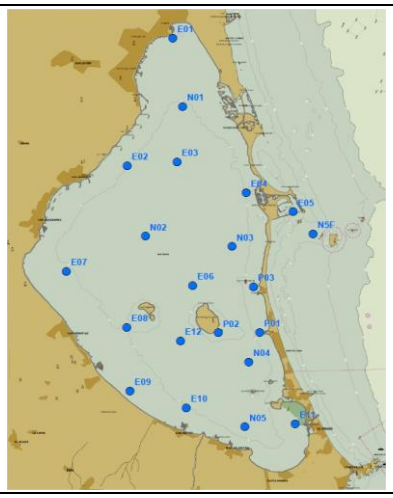
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	14.23	4.47	0.08	6.07	238.51	0.06	37.34
PROF (metros)	0.121	0.121	0.353	0.999	0.869	0.121	0.121
MÁXIMO	16.49	16.49	3.2	7.11	1130.1	0.39	44.7
PROF (metros)	1.518	0.348	0.932	0.353	0.121	0.445	0.293

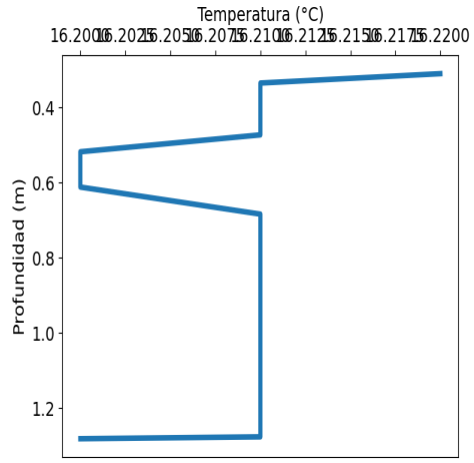
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P01 - Punto 012	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.24	5.31	1.27	6.63	556.4	0.25	43.07
1 - 2m	16.48	5.37	2.41	6.37	265.17	0.17	43.35

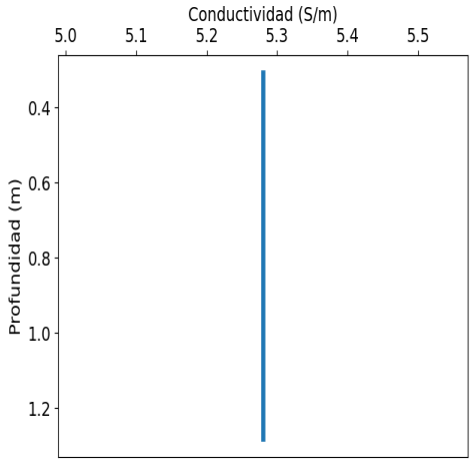
OBSERVACIONES GENERALES

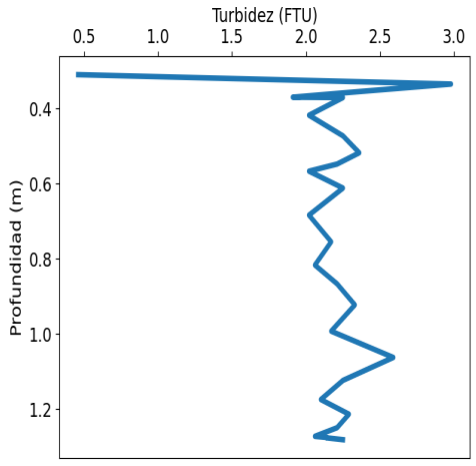
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.121	14.23	4.47	0.19	7.01	1130.1	0.06	37.34
0.293	14.88	5.32	0.19	6.46	1053.5	0.06	44.7
0.348	16.48	5.37	0.19	7.1	730.28	0.36	43.35
0.353	16.47	5.37	0.08	7.11	738.96	0.35	43.35
0.368	16.47	5.37	0.11	7.06	734.69	0.33	43.35
0.399	16.47	5.37	0.08	7.01	737.42	0.34	43.35
0.402	16.47	5.36	0.19	6.97	737.08	0.37	43.34
0.413	16.47	5.36	0.11	6.91	731.63	0.34	43.34
0.445	16.47	5.36	0.11	6.83	735.03	0.39	43.34
0.568	16.47	5.36	1.41	6.62	301.56	0.34	43.34
0.624	16.47	5.36	2.67	6.5	259.09	0.32	43.34
0.668	16.47	5.36	2.29	6.38	248.15	0.19	43.34
0.717	16.46	5.36	2.9	6.28	277.03	0.12	43.35
0.792	16.47	5.37	2.9	6.18	263.51	0.19	43.35
0.869	16.47	5.36	2.36	6.11	238.51	0.15	43.35
0.932	16.47	5.37	3.2	6.08	261.5	0.12	43.35
0.999	16.47	5.37	2.59	6.07	280.72	0.16	43.35
1.051	16.47	5.37	2.29	6.09	261.8	0.15	43.34
1.089	16.47	5.37	2.29	6.14	253.27	0.15	43.35
1.155	16.47	5.37	2.36	6.2	266.83	0.16	43.35
1.231	16.47	5.37	2.59	6.27	276.65	0.15	43.35
1.282	16.47	5.37	2.67	6.33	270.44	0.1	43.34
1.326	16.47	5.37	2.17	6.41	256.81	0.18	43.35
1.371	16.48	5.37	2.52	6.47	254.09	0.18	43.36
1.416	16.48	5.37	2.4	6.52	268.06	0.2	43.36
1.476	16.48	5.37	2.56	6.55	267.88	0.18	43.36
1.518	16.49	5.37	2.36	6.57	270.75	0.19	43.35
1.525	16.49	5.37	2.33	6.57	270.25	0.18	43.36

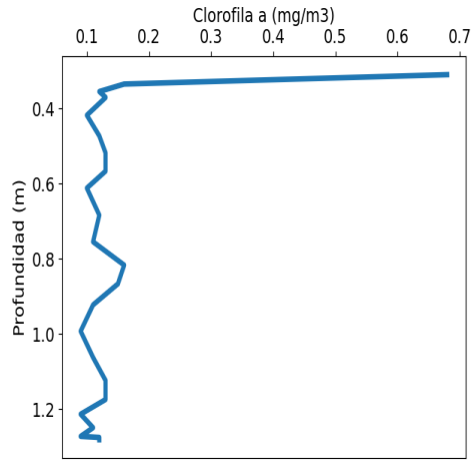
Nombre: CTD P03 - Punto 013 **Fecha: 15/11/2021** **Hora: 12:11:52**

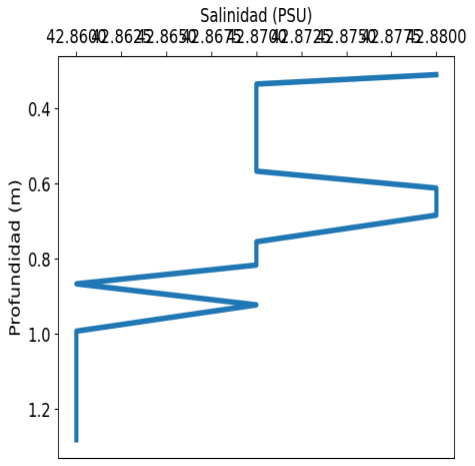


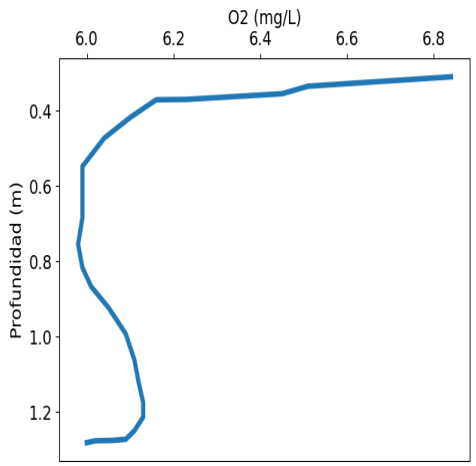


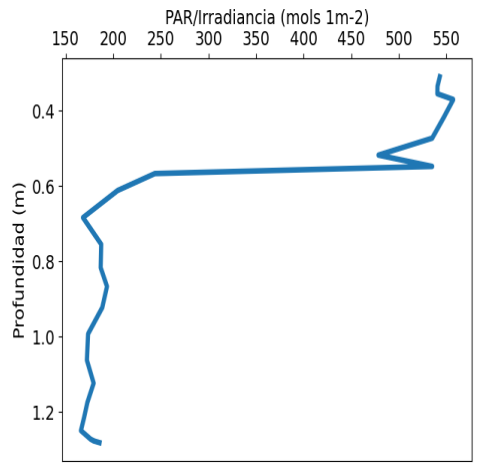












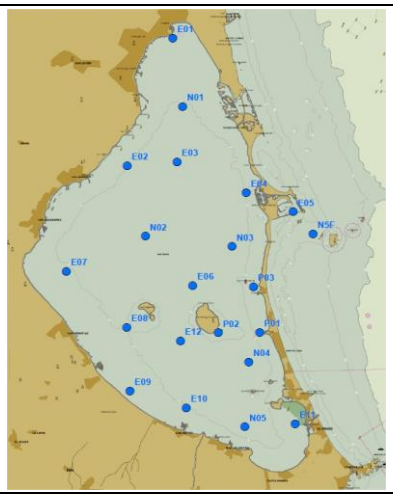
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.2	5.28	0.46	5.98	165.99	0.09	42.86
PROF (metros)	0.518	0.31	0.31	0.755	1.25	0.993	0.867
MÁXIMO	16.22	16.22	2.98	6.84	557.21	0.68	42.88
PROF (metros)	0.31	0.31	0.335	0.31	0.37	0.31	0.31

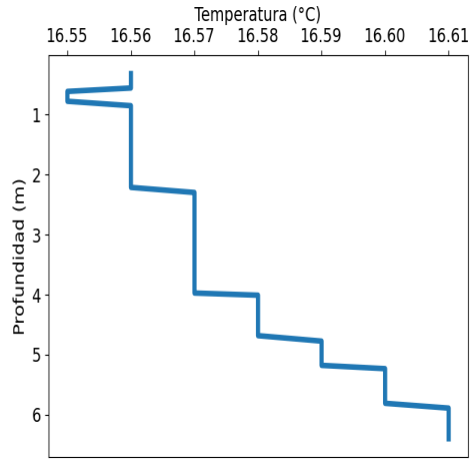
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P03 - Punto 013	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.21	5.28	2.12	6.14	375.37	0.16	42.87
1 - 2m	16.21	5.28	2.23	6.09	175.46	0.11	42.86

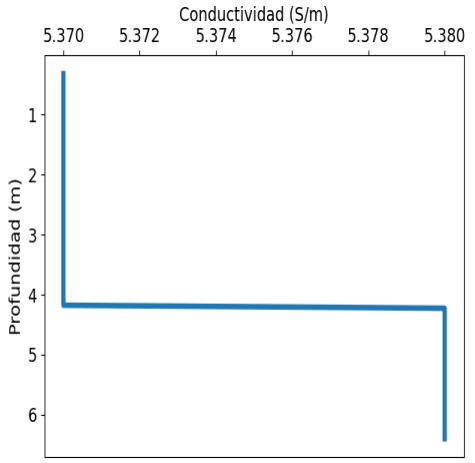
OBSERVACIONES GENERALES

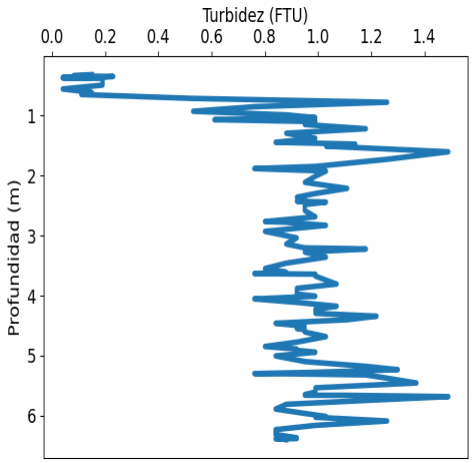
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.31	16.22	5.28	0.46	6.84	543.18	0.68	42.88
0.335	16.21	5.28	2.98	6.51	540.8	0.16	42.87
0.355	16.21	5.28	2.36	6.45	540.67	0.12	42.87
0.37	16.21	5.28	1.91	6.23	557.21	0.13	42.87
0.371	16.21	5.28	2.25	6.16	557.21	0.13	42.87
0.418	16.21	5.28	2.02	6.1	547.35	0.1	42.87
0.473	16.21	5.28	2.25	6.04	535.19	0.12	42.87
0.518	16.2	5.28	2.36	6.01	478.73	0.13	42.87
0.548	16.2	5.28	2.21	5.99	535.19	0.13	42.87
0.567	16.2	5.28	2.02	5.99	243.71	0.13	42.87
0.612	16.2	5.28	2.25	5.99	204.58	0.1	42.88
0.684	16.21	5.28	2.02	5.99	168.16	0.12	42.88
0.755	16.21	5.28	2.17	5.98	187.29	0.11	42.87
0.817	16.21	5.28	2.06	5.99	186.73	0.16	42.87
0.867	16.21	5.28	2.21	6.01	193.38	0.15	42.86
0.923	16.21	5.28	2.33	6.05	188.42	0.11	42.87
0.993	16.21	5.28	2.17	6.09	173.5	0.09	42.86
1.063	16.21	5.28	2.59	6.11	172.26	0.11	42.86
1.124	16.21	5.28	2.25	6.12	179.35	0.13	42.86
1.175	16.21	5.28	2.1	6.13	172.78	0.13	42.86
1.214	16.21	5.28	2.29	6.13	169.41	0.09	42.86
1.25	16.21	5.28	2.21	6.11	165.99	0.11	42.86
1.273	16.21	5.28	2.06	6.09	176.3	0.09	42.86
1.276	16.21	5.28	2.14	6.06	178.64	0.12	42.86
1.277	16.21	5.28	2.14	6.02	178.93	0.12	42.86
1.282	16.2	5.28	2.25	6.0	185.52	0.12	42.86

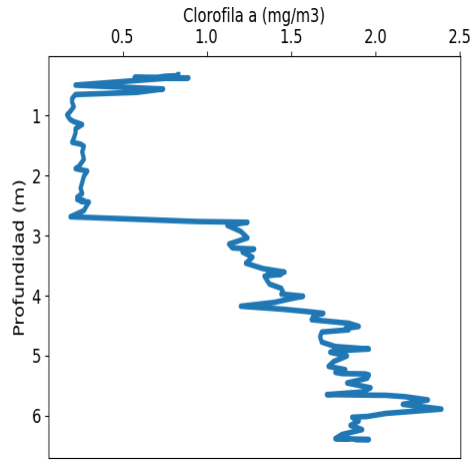
Nombre: CTD N03 - Punto 014 **Fecha: 15/11/2021** **Hora: 12:11:51**

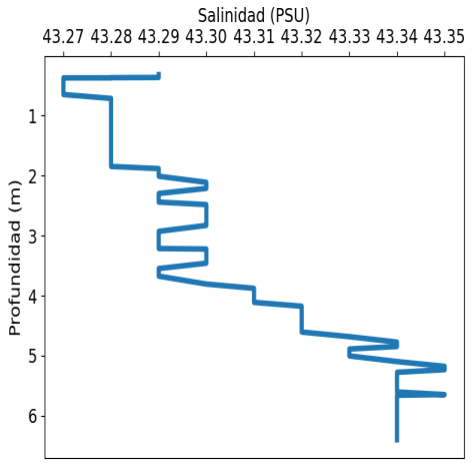


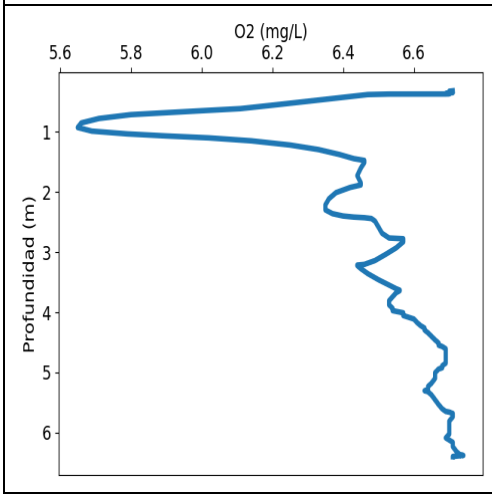


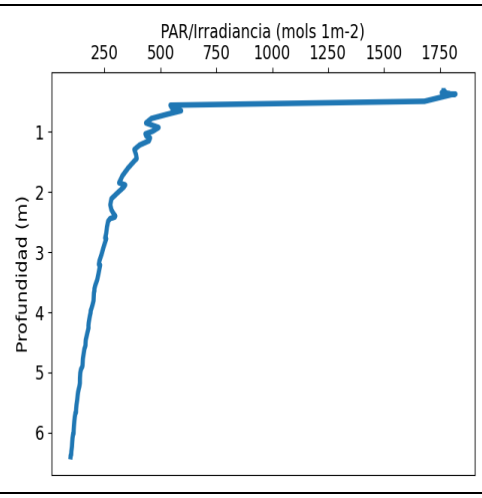












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.55	5.37	0.04	5.65	98.04	0.17	43.27
PROF (metros)	0.613	0.317	0.364	0.927	6.384	0.987	0.371
MÁXIMO	16.61	16.61	1.49	6.74	1819.6	2.39	43.35
PROF (metros)	5.889	4.225	1.602	6.379	0.371	5.889	5.177

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N03 - Punto 014	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.56	5.37	0.29	6.32	1266.98	0.55	43.28
1 - 2m	16.56	5.37	1.01	6.29	385.78	0.23	43.28
2 - 3m	16.57	5.37	0.95	6.46	274.14	0.47	43.3
3 - 4m	16.57	5.37	0.95	6.51	212.81	1.31	43.3
4 - 5m	16.58	5.38	0.96	6.65	165.87	1.67	43.32
5 - 6m	16.6	5.38	1.06	6.67	126.97	1.96	43.34
6 - 7m	16.61	5.38	0.94	6.71	102.91	1.87	43.34

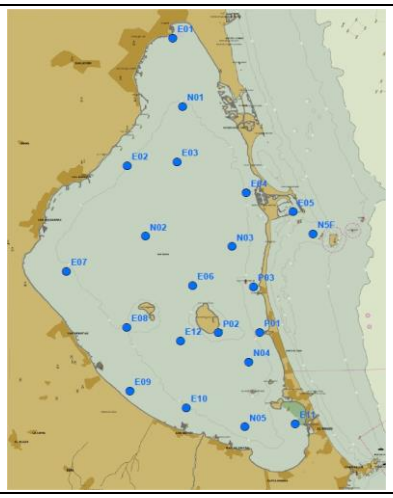
OBSERVACIONES GENERALES

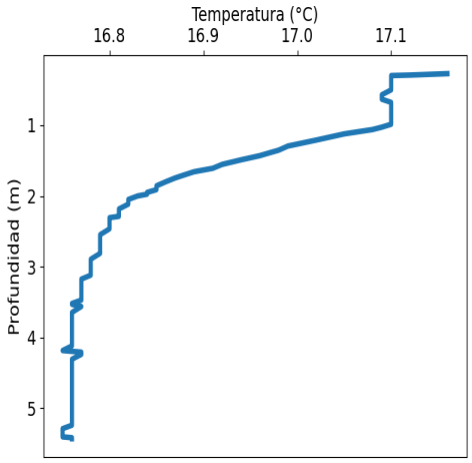
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.317	16.56	5.37	0.15	6.71	1766.4	0.83	43.29
0.324	16.56	5.37	0.11	6.7	1766.4	0.83	43.29
0.335	16.56	5.37	0.08	6.7	1765.6	0.82	43.29
0.34	16.56	5.37	0.11	6.7	1775.1	0.77	43.29
0.347	16.56	5.37	0.23	6.71	1757.9	0.74	43.29
0.362	16.56	5.37	0.19	6.69	1764.0	0.71	43.29
0.364	16.56	5.37	0.04	6.7	1792.4	0.57	43.29
0.367	16.56	5.37	0.15	6.7	1789.1	0.62	43.28
0.37	16.56	5.37	0.04	6.69	1791.6	0.65	43.28
0.371	16.56	5.37	0.08	6.53	1819.6	0.89	43.27
0.379	16.56	5.37	0.19	6.47	1803.3	0.75	43.27
0.491	16.56	5.37	0.19	6.3	1681.0	0.22	43.27
0.556	16.56	5.37	0.04	6.2	544.57	0.74	43.27
0.613	16.55	5.37	0.15	6.11	553.48	0.58	43.27
0.648	16.55	5.37	0.11	6.0	592.65	0.22	43.27
0.713	16.55	5.37	0.53	5.8	523.53	0.2	43.28
0.777	16.55	5.37	1.26	5.71	459.49	0.2	43.28
0.851	16.56	5.37	0.76	5.66	435.43	0.21	43.28
0.927	16.56	5.37	0.53	5.65	491.77	0.19	43.28
0.987	16.56	5.37	0.88	5.69	466.35	0.17	43.28
1.033	16.56	5.37	0.99	5.79	432.71	0.18	43.28
1.067	16.56	5.37	0.61	5.9	436.54	0.19	43.28
1.099	16.56	5.37	0.99	6.02	453.77	0.21	43.28
1.148	16.56	5.37	0.95	6.14	448.65	0.26	43.28
1.218	16.56	5.37	1.18	6.25	407.12	0.22	43.28
1.293	16.56	5.37	0.88	6.33	383.23	0.22	43.28
1.376	16.56	5.37	0.99	6.39	390.76	0.21	43.28
1.444	16.56	5.37	0.84	6.43	393.94	0.2	43.28
1.474	16.56	5.37	1.14	6.46	385.54	0.25	43.28
1.509	16.56	5.37	1.03	6.46	377.06	0.27	43.28
1.602	16.56	5.37	1.49	6.45	354.93	0.26	43.28
1.727	16.56	5.37	1.26	6.44	330.24	0.27	43.28
1.846	16.56	5.37	0.99	6.45	315.14	0.24	43.28
1.882	16.56	5.37	0.76	6.45	342.64	0.22	43.29
1.923	16.56	5.37	1.03	6.42	334.48	0.29	43.29

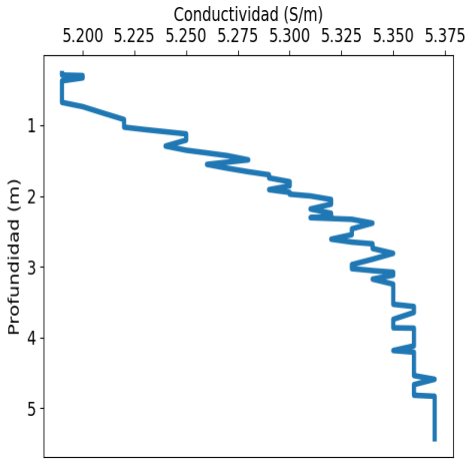
2.009	16.56	5.37	0.99	6.38	309.06	0.27	43.29
2.111	16.56	5.37	0.95	6.36	280.72	0.26	43.3
2.212	16.56	5.37	1.11	6.35	275.63	0.25	43.3
2.297	16.57	5.37	0.99	6.35	280.78	0.26	43.29
2.359	16.57	5.37	0.92	6.37	290.65	0.23	43.29
2.398	16.57	5.37	0.95	6.4	298.16	0.23	43.29
2.416	16.57	5.37	0.95	6.43	295.61	0.27	43.29
2.426	16.57	5.37	0.92	6.46	287.97	0.25	43.29
2.44	16.57	5.37	1.03	6.48	275.31	0.3	43.29
2.482	16.57	5.37	0.95	6.49	266.21	0.29	43.3
2.582	16.57	5.37	0.95	6.5	260.77	0.27	43.3
2.685	16.57	5.37	0.99	6.51	257.47	0.19	43.3
2.764	16.57	5.37	0.8	6.53	252.74	0.94	43.3
2.776	16.57	5.37	0.88	6.57	257.53	1.24	43.3
2.828	16.57	5.37	1.03	6.57	252.97	1.12	43.3
2.928	16.57	5.37	0.8	6.55	244.61	1.2	43.29
3.037	16.57	5.37	0.92	6.52	236.53	1.24	43.29
3.139	16.57	5.37	0.88	6.49	227.44	1.13	43.29
3.203	16.57	5.37	0.95	6.46	224.51	1.15	43.29
3.214	16.57	5.37	1.11	6.44	230.36	1.21	43.29
3.222	16.57	5.37	1.18	6.44	229.88	1.28	43.3
3.273	16.57	5.37	0.95	6.45	227.13	1.21	43.3
3.357	16.57	5.37	1.03	6.47	222.9	1.27	43.3
3.458	16.57	5.37	0.88	6.5	217.19	1.23	43.3
3.547	16.57	5.37	0.8	6.53	208.8	1.33	43.29
3.607	16.57	5.37	0.88	6.55	204.68	1.46	43.29
3.631	16.57	5.37	0.76	6.56	204.63	1.36	43.29
3.641	16.57	5.37	0.99	6.56	204.87	1.44	43.29
3.674	16.57	5.37	0.99	6.55	202.46	1.34	43.29
3.806	16.57	5.37	1.07	6.53	200.73	1.37	43.3
3.877	16.57	5.37	0.92	6.53	196.09	1.44	43.31
3.934	16.57	5.37	0.92	6.54	191.6	1.45	43.31
3.972	16.57	5.37	0.92	6.54	187.99	1.44	43.31
4.008	16.58	5.37	0.99	6.57	187.51	1.57	43.31
4.053	16.58	5.37	0.76	6.57	184.71	1.49	43.31
4.111	16.58	5.37	0.92	6.6	181.94	1.4	43.31
4.175	16.58	5.37	1.07	6.61	179.02	1.2	43.32
4.225	16.58	5.38	0.99	6.62	177.9	1.45	43.32
4.26	16.58	5.38	0.99	6.63	178.39	1.58	43.32
4.293	16.58	5.38	0.99	6.63	176.18	1.69	43.32
4.341	16.58	5.38	1.22	6.64	173.06	1.63	43.32
4.4	16.58	5.38	1.11	6.65	169.6	1.62	43.32
4.459	16.58	5.38	0.84	6.66	165.87	1.84	43.32
4.511	16.58	5.38	0.95	6.67	164.95	1.9	43.32
4.547	16.58	5.38	0.92	6.67	164.8	1.82	43.32
4.568	16.58	5.38	0.95	6.68	163.43	1.84	43.32
4.605	16.58	5.38	0.95	6.69	159.98	1.68	43.32
4.682	16.58	5.38	1.03	6.69	156.75	1.67	43.33
4.773	16.59	5.38	0.92	6.69	153.05	1.68	43.34
4.846	16.59	5.38	0.8	6.69	152.03	1.76	43.34
4.888	16.59	5.38	0.92	6.68	151.36	1.96	43.33
4.91	16.59	5.38	0.92	6.68	149.96	1.82	43.33
4.922	16.59	5.38	0.95	6.68	147.89	1.75	43.33
4.942	16.59	5.38	0.99	6.67	144.87	1.73	43.33
5.003	16.59	5.38	0.84	6.66	141.59	1.83	43.33
5.097	16.59	5.38	0.95	6.66	139.92	1.75	43.34
5.177	16.59	5.38	1.18	6.65	139.66	1.72	43.35
5.232	16.6	5.38	1.3	6.64	137.39	1.82	43.35

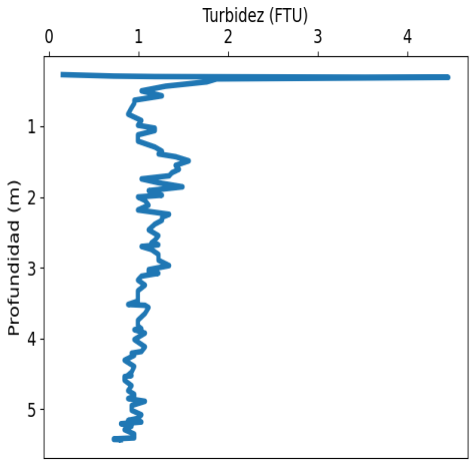
5.276	16.6	5.38	0.99	6.64	134.39	1.76	43.34
5.297	16.6	5.38	0.76	6.64	133.25	1.8	43.34
5.303	16.6	5.38	0.92	6.63	133.15	1.94	43.34
5.32	16.6	5.38	1.18	6.64	131.83	1.96	43.34
5.374	16.6	5.38	1.26	6.65	129.89	1.95	43.34
5.454	16.6	5.38	1.37	6.66	127.74	1.83	43.34
5.534	16.6	5.38	0.99	6.67	124.58	1.97	43.34
5.604	16.6	5.38	0.99	6.68	122.92	1.92	43.34
5.647	16.6	5.38	0.95	6.69	122.24	1.71	43.35
5.658	16.6	5.38	0.95	6.7	122.75	2.01	43.34
5.659	16.6	5.38	1.11	6.7	121.81	2.06	43.34
5.681	16.6	5.38	1.49	6.71	119.52	2.17	43.34
5.736	16.6	5.38	1.22	6.71	116.95	2.31	43.34
5.809	16.6	5.38	0.88	6.7	114.88	2.16	43.34
5.889	16.61	5.38	0.84	6.7	113.11	2.39	43.34
5.961	16.61	5.38	0.95	6.7	111.83	2.06	43.34
6.012	16.61	5.38	1.03	6.7	111.54	1.95	43.34
6.013	16.61	5.38	1.03	6.7	111.62	1.94	43.34
6.025	16.61	5.38	0.99	6.7	109.27	1.86	43.34
6.087	16.61	5.38	1.26	6.69	106.89	1.9	43.34
6.16	16.61	5.38	0.99	6.71	105.31	1.85	43.34
6.231	16.61	5.38	0.84	6.71	104.1	1.92	43.34
6.312	16.61	5.38	0.84	6.72	101.48	1.8	43.34
6.366	16.61	5.38	0.92	6.73	100.73	1.77	43.34
6.379	16.61	5.38	0.92	6.74	98.7	1.84	43.34
6.38	16.61	5.38	0.92	6.73	98.42	1.76	43.34
6.384	16.61	5.38	0.84	6.73	98.04	1.83	43.34
6.39	16.61	5.38	0.88	6.72	98.15	1.9	43.34
6.396	16.61	5.38	0.88	6.71	98.28	1.96	43.34
6.399	16.61	5.38	0.88	6.71	98.19	1.89	43.34

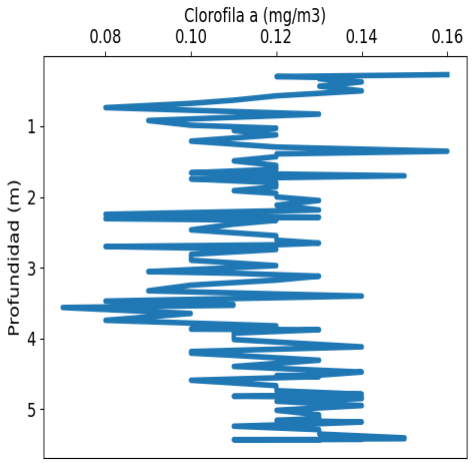
Nombre: CTD E04 - Punto 015 **Fecha: 15/11/2021** **Hora: 12:11:24**

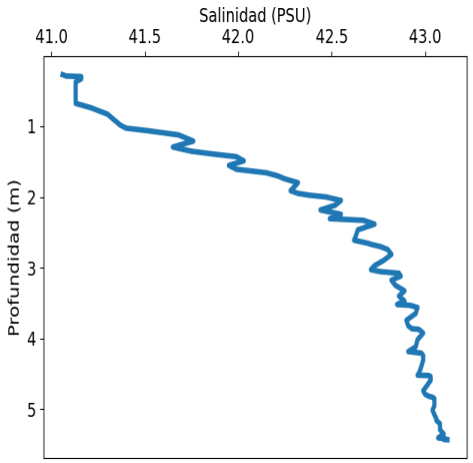


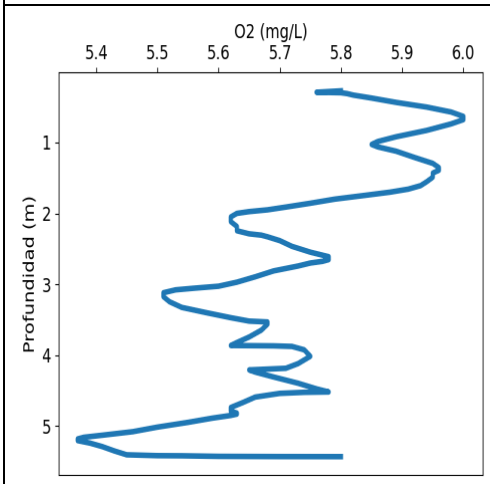


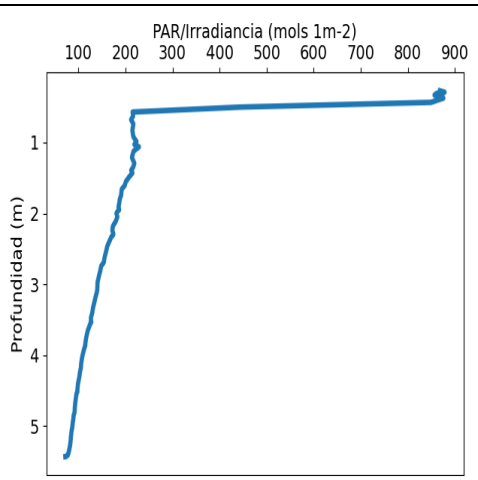












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.75	5.19	0.15	5.37	72.15	0.07	41.06
PROF (metros)	4.183	0.271	0.271	5.179	5.429	3.561	0.271
MÁXIMO	17.16	17.16	4.46	6.0	878.24	0.16	43.12
PROF (metros)	0.271	4.589	0.31	0.632	0.291	0.271	5.429

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E04 - Punto 015	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	17.1	5.2	1.3	5.89	534.5	0.12	41.17
1 - 2m	16.93	5.27	1.24	5.85	201.55	0.12	42.01
2 - 3m	16.8	5.33	1.18	5.69	161.55	0.11	42.65
3 - 4m	16.77	5.35	1.04	5.62	126.45	0.1	42.89
4 - 5m	16.76	5.36	0.93	5.67	96.97	0.12	43.0
5 - 6m	16.76	5.37	0.87	5.49	80.04	0.13	43.08

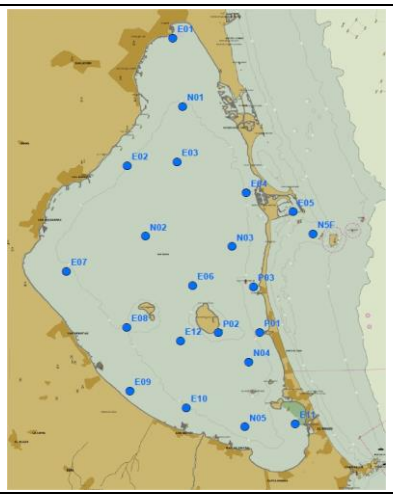
OBSERVACIONES GENERALES

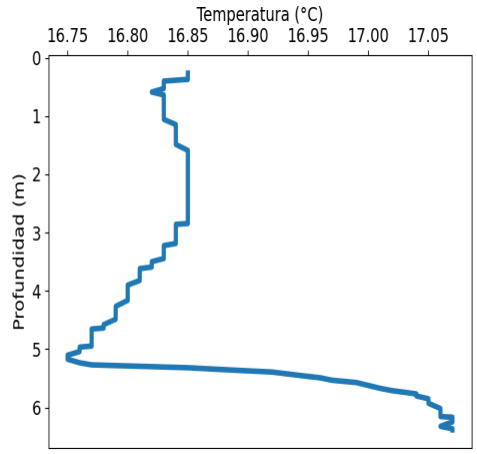
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.271	17.16	5.19	0.15	5.8	868.12	0.16	41.06
0.291	17.12	5.19	0.72	5.76	878.24	0.13	41.08
0.298	17.1	5.2	1.18	5.8	867.72	0.12	41.16
0.31	17.1	5.2	4.46	5.81	860.51	0.13	41.16
0.331	17.1	5.2	1.87	5.82	856.73	0.13	41.16
0.373	17.1	5.19	1.76	5.85	875.8	0.14	41.13
0.434	17.1	5.19	1.3	5.89	849.41	0.13	41.13
0.5	17.1	5.19	1.03	5.94	445.95	0.14	41.13
0.57	17.09	5.19	1.26	5.98	215.24	0.12	41.13
0.632	17.09	5.19	0.95	6.0	216.19	0.11	41.13
0.677	17.1	5.19	0.95	6.0	211.87	0.1	41.13
0.737	17.1	5.2	0.92	5.98	216.79	0.08	41.21
0.829	17.1	5.21	0.88	5.94	214.74	0.13	41.3
0.919	17.1	5.22	1.03	5.89	216.74	0.09	41.34
0.986	17.1	5.22	0.99	5.86	223.47	0.1	41.37
1.027	17.09	5.22	1.18	5.85	218.91	0.12	41.4
1.061	17.08	5.23	1.18	5.86	228.66	0.11	41.51
1.122	17.05	5.25	0.99	5.89	217.24	0.12	41.68
1.21	17.02	5.25	0.99	5.92	213.7	0.1	41.76
1.294	16.99	5.24	1.18	5.95	218.96	0.12	41.65
1.353	16.98	5.25	1.26	5.96	216.04	0.16	41.75
1.391	16.97	5.26	1.22	5.96	212.17	0.12	41.86
1.43	16.96	5.27	1.41	5.95	214.79	0.12	41.99
1.489	16.94	5.28	1.56	5.95	207.35	0.11	42.03
1.553	16.92	5.26	1.41	5.94	200.73	0.12	41.95
1.608	16.91	5.27	1.45	5.93	198.28	0.12	41.99
1.657	16.89	5.28	1.37	5.91	192.08	0.1	42.15
1.7	16.88	5.29	1.34	5.88	191.42	0.15	42.21
1.744	16.87	5.29	1.03	5.84	190.71	0.1	42.25
1.798	16.86	5.3	1.22	5.79	187.94	0.12	42.32
1.856	16.85	5.3	1.49	5.75	186.69	0.12	42.3
1.91	16.85	5.29	1.11	5.71	185.13	0.11	42.28
1.949	16.84	5.3	1.18	5.68	186.51	0.12	42.32
1.974	16.84	5.3	1.26	5.65	182.92	0.12	42.38
1.999	16.83	5.31	0.99	5.63	180.73	0.12	42.47
2.049	16.82	5.32	1.07	5.62	182.79	0.13	42.55

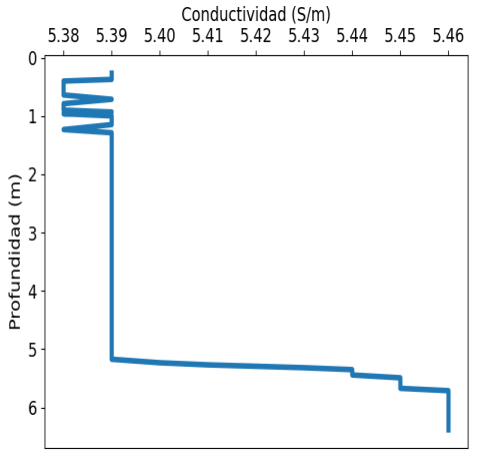
2.115	16.82	5.32	1.11	5.62	178.93	0.12	42.52
2.183	16.81	5.31	0.99	5.63	172.98	0.13	42.44
2.244	16.81	5.32	1.34	5.63	172.22	0.08	42.55
2.287	16.81	5.32	1.26	5.65	174.27	0.13	42.54
2.306	16.8	5.31	1.26	5.67	173.46	0.08	42.49
2.329	16.8	5.33	1.26	5.68	170.08	0.12	42.67
2.383	16.8	5.34	1.18	5.7	166.45	0.11	42.73
2.464	16.8	5.33	1.11	5.72	161.29	0.1	42.64
2.546	16.79	5.33	1.22	5.75	158.43	0.12	42.63
2.61	16.79	5.32	1.18	5.78	156.03	0.12	42.62
2.651	16.79	5.33	1.14	5.78	154.7	0.13	42.69
2.675	16.79	5.34	1.22	5.77	154.55	0.12	42.72
2.699	16.79	5.34	1.03	5.75	153.09	0.08	42.76
2.741	16.79	5.34	1.14	5.73	148.37	0.12	42.8
2.81	16.79	5.35	1.22	5.69	146.36	0.1	42.82
2.893	16.78	5.34	1.22	5.66	143.3	0.1	42.78
2.969	16.78	5.33	1.34	5.63	140.67	0.12	42.73
3.026	16.78	5.33	1.11	5.6	140.38	0.1	42.71
3.054	16.78	5.34	1.11	5.56	140.15	0.09	42.76
3.077	16.78	5.35	1.22	5.53	140.02	0.11	42.86
3.118	16.78	5.35	1.03	5.51	138.95	0.13	42.87
3.174	16.77	5.34	0.99	5.51	136.59	0.12	42.82
3.245	16.77	5.35	1.07	5.52	134.11	0.1	42.84
3.325	16.77	5.35	0.99	5.54	131.22	0.09	42.89
3.399	16.77	5.35	0.99	5.58	129.41	0.14	42.86
3.47	16.77	5.35	0.99	5.62	126.59	0.08	42.89
3.518	16.76	5.35	0.88	5.65	126.68	0.11	42.85
3.53	16.76	5.35	1.07	5.68	127.48	0.11	42.92
3.561	16.77	5.36	1.11	5.68	124.9	0.07	42.96
3.645	16.76	5.36	1.07	5.67	120.19	0.1	42.95
3.742	16.76	5.35	0.99	5.65	116.78	0.08	42.9
3.82	16.76	5.35	0.99	5.63	114.93	0.12	42.91
3.862	16.76	5.35	1.03	5.62	114.56	0.1	42.93
3.867	16.76	5.36	1.03	5.69	114.03	0.1	42.96
3.875	16.76	5.36	0.95	5.72	113.82	0.13	42.97
3.923	16.76	5.36	1.07	5.74	111.67	0.11	42.99
4.014	16.76	5.36	0.95	5.75	108.26	0.11	42.96
4.117	16.76	5.36	1.07	5.73	105.85	0.14	42.95
4.183	16.75	5.35	1.03	5.71	105.26	0.1	42.91
4.206	16.77	5.36	0.92	5.65	104.29	0.1	42.98
4.237	16.77	5.36	0.95	5.66	103.28	0.11	42.99
4.306	16.76	5.36	0.84	5.69	101.9	0.13	42.99
4.394	16.76	5.36	0.95	5.73	99.32	0.11	42.98
4.473	16.76	5.36	0.92	5.76	97.94	0.14	42.97
4.517	16.76	5.36	0.88	5.78	97.83	0.13	42.96
4.522	16.76	5.36	0.92	5.74	97.22	0.12	43.02
4.537	16.76	5.36	0.84	5.7	95.97	0.13	43.03
4.589	16.76	5.37	0.84	5.66	94.9	0.1	43.03
4.665	16.76	5.36	0.92	5.64	93.42	0.12	43.01
4.736	16.76	5.36	0.88	5.62	92.39	0.12	42.99
4.786	16.76	5.36	0.95	5.62	92.07	0.14	43.0
4.815	16.76	5.36	0.95	5.63	91.43	0.11	43.02
4.829	16.76	5.37	0.92	5.63	90.75	0.14	43.04
4.848	16.76	5.37	0.88	5.62	89.83	0.14	43.05
4.886	16.76	5.37	1.07	5.59	89.38	0.12	43.05
4.946	16.76	5.37	0.92	5.55	88.08	0.14	43.05
5.013	16.76	5.37	0.92	5.5	87.02	0.12	43.04
5.077	16.76	5.37	1.03	5.46	85.35	0.13	43.05

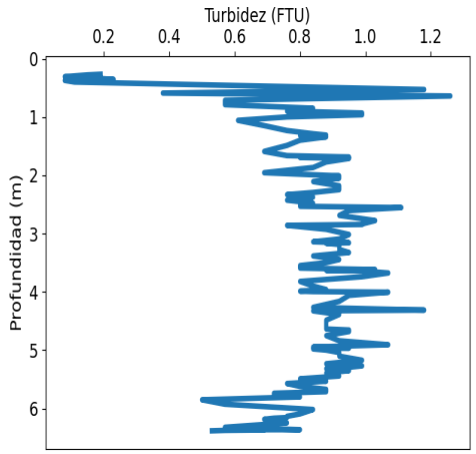
5.127	16.76	5.37	0.99	5.41	84.46	0.13	43.06
5.156	16.76	5.37	0.88	5.38	83.95	0.12	43.06
5.179	16.76	5.37	1.03	5.37	83.84	0.14	43.07
5.203	16.76	5.37	0.8	5.37	83.45	0.13	43.08
5.238	16.76	5.37	0.92	5.39	82.93	0.11	43.08
5.287	16.75	5.37	0.84	5.41	81.84	0.13	43.08
5.349	16.75	5.37	0.95	5.43	79.95	0.13	43.1
5.403	16.75	5.37	0.95	5.45	77.95	0.15	43.07
5.415	16.76	5.37	0.76	5.5	75.04	0.15	43.11
5.417	16.76	5.37	0.72	5.54	74.94	0.14	43.1
5.425	16.76	5.37	0.72	5.6	74.27	0.14	43.1
5.428	16.76	5.37	0.8	5.7	73.44	0.11	43.11
5.429	16.76	5.37	0.8	5.8	72.14	0.13	43.12

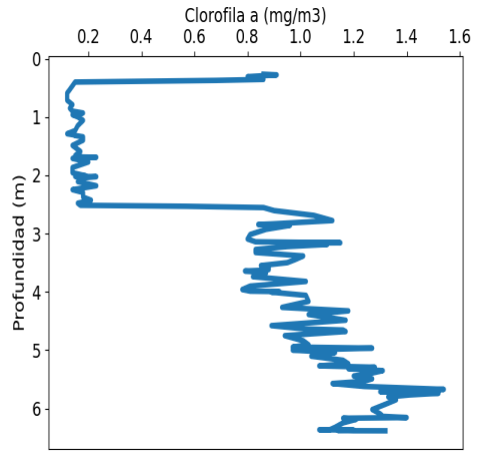
Nombre: CTD E03 - Punto 016 **Fecha: 15/11/2021** **Hora: 12:11:39**

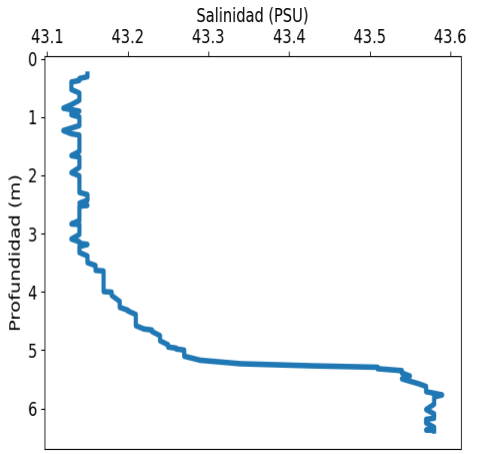


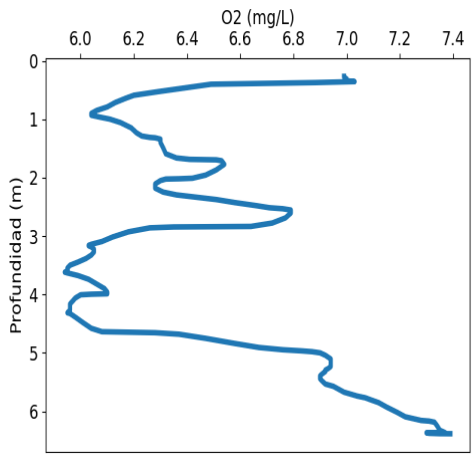


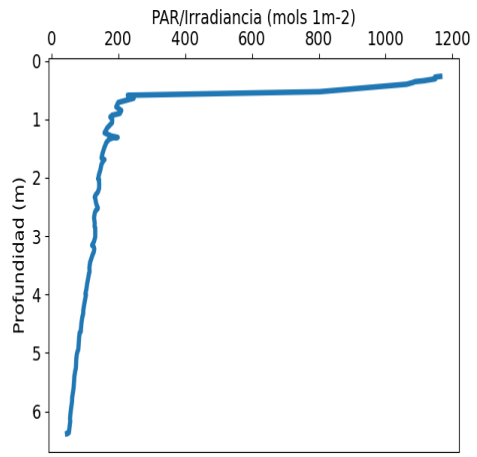












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.75	5.38	0.08	5.94	46.85	0.12	43.12
PROF (metros)	5.102	0.4	0.308	3.617	6.382	0.589	1.232
MÁXIMO	17.07	17.07	1.26	7.39	1163.6	1.54	43.59
PROF (metros)	6.166	5.711	0.639	6.382	0.266	5.671	5.767

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E03 - Punto 016	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.84	5.39	0.55	6.45	613.61	0.38	43.14
1 - 2m	16.84	5.39	0.8	6.35	163.02	0.16	43.14
2 - 3m	16.85	5.39	0.89	6.49	135.24	0.47	43.14
3 - 4m	16.82	5.39	0.9	6.02	116.39	0.89	43.15
4 - 5m	16.78	5.39	0.93	6.3	88.37	1.05	43.22
5 - 6m	16.92	5.44	0.84	6.97	67.96	1.26	43.5
6 - 7m	17.07	5.46	0.69	7.31	53.0	1.21	43.58

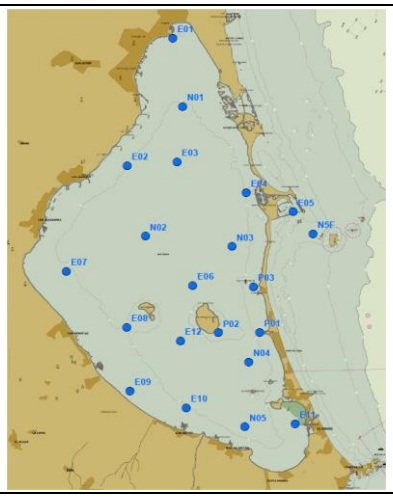
OBSERVACIONES GENERALES

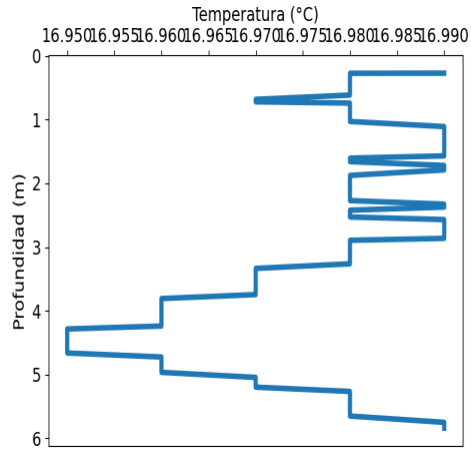
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.266	16.85	5.39	0.19	6.99	1163.6	0.86	43.15
0.277	16.85	5.39	0.15	6.99	1147.6	0.91	43.15
0.308	16.85	5.39	0.08	7.0	1148.4	0.8	43.15
0.34	16.85	5.39	0.19	7.0	1113.8	0.84	43.14
0.355	16.85	5.39	0.23	7.03	1088.5	0.86	43.14
0.372	16.85	5.39	0.08	6.88	1080.4	0.68	43.14
0.4	16.83	5.38	0.11	6.49	1062.8	0.15	43.13
0.528	16.83	5.38	1.18	6.29	802.71	0.13	43.13
0.589	16.82	5.38	0.38	6.2	228.5	0.12	43.14
0.639	16.83	5.38	1.26	6.17	246.32	0.12	43.14
0.713	16.83	5.39	0.57	6.13	200.08	0.12	43.14
0.788	16.83	5.38	0.57	6.1	194.05	0.14	43.13
0.849	16.83	5.38	0.84	6.06	209.38	0.13	43.12
0.899	16.83	5.38	0.76	6.04	204.87	0.14	43.14
0.931	16.83	5.39	0.99	6.04	181.86	0.18	43.13
0.961	16.83	5.38	0.99	6.07	176.3	0.14	43.13
0.998	16.83	5.39	0.76	6.11	182.2	0.16	43.14
1.057	16.83	5.39	0.61	6.15	181.78	0.18	43.14
1.147	16.84	5.39	0.69	6.19	167.26	0.16	43.14
1.232	16.84	5.38	0.76	6.21	159.1	0.15	43.12
1.287	16.84	5.39	0.84	6.23	179.85	0.12	43.13
1.31	16.84	5.39	0.88	6.26	198.6	0.15	43.14
1.317	16.84	5.39	0.8	6.28	184.06	0.15	43.14
1.34	16.84	5.39	0.88	6.3	172.98	0.18	43.14
1.398	16.84	5.39	0.8	6.3	164.49	0.18	43.14
1.487	16.84	5.39	0.76	6.31	158.4	0.14	43.14
1.59	16.85	5.39	0.69	6.32	152.77	0.17	43.14
1.662	16.85	5.39	0.76	6.36	150.07	0.15	43.13
1.686	16.85	5.39	0.95	6.41	156.68	0.18	43.14
1.69	16.85	5.39	0.88	6.47	159.1	0.23	43.14
1.694	16.85	5.39	0.8	6.51	155.13	0.18	43.14
1.71	16.85	5.39	0.95	6.53	155.41	0.14	43.14
1.771	16.85	5.39	0.88	6.54	150.0	0.2	43.14
1.866	16.85	5.39	0.84	6.51	146.63	0.14	43.14
1.955	16.85	5.39	0.69	6.47	142.05	0.14	43.13

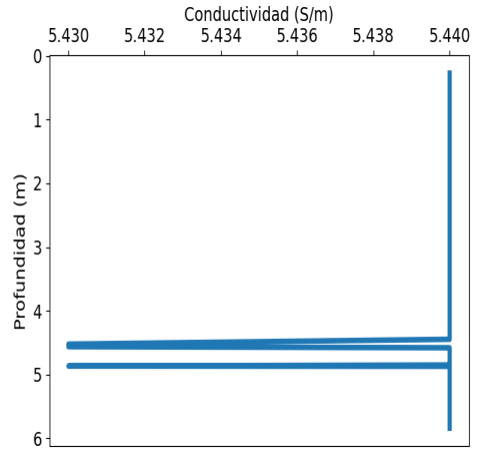
2.009	16.85	5.39	0.92	6.42	140.54	0.19	43.14
2.018	16.85	5.39	0.88	6.37	142.01	0.15	43.14
2.023	16.85	5.39	0.88	6.32	140.35	0.23	43.14
2.049	16.85	5.39	0.92	6.3	142.67	0.17	43.14
2.107	16.85	5.39	0.84	6.28	142.97	0.16	43.14
2.179	16.85	5.39	0.92	6.28	142.94	0.23	43.14
2.246	16.85	5.39	0.92	6.31	139.18	0.14	43.14
2.294	16.85	5.39	0.84	6.36	132.51	0.18	43.14
2.331	16.85	5.39	0.76	6.43	129.65	0.18	43.15
2.374	16.85	5.39	0.84	6.51	132.11	0.18	43.15
2.426	16.85	5.39	0.76	6.58	133.46	0.21	43.15
2.478	16.85	5.39	0.84	6.66	136.12	0.16	43.14
2.514	16.85	5.39	0.8	6.71	139.05	0.17	43.15
2.531	16.85	5.39	0.8	6.76	138.57	0.57	43.14
2.553	16.85	5.39	1.11	6.79	133.62	0.86	43.14
2.605	16.85	5.39	0.95	6.79	129.86	0.9	43.14
2.687	16.85	5.39	0.92	6.77	127.74	1.05	43.14
2.776	16.85	5.39	1.03	6.72	129.77	1.12	43.14
2.834	16.85	5.39	0.99	6.64	129.23	0.89	43.13
2.843	16.85	5.39	0.99	6.35	130.34	0.84	43.14
2.858	16.84	5.39	0.76	6.26	131.31	0.96	43.14
2.926	16.84	5.39	0.88	6.18	131.19	0.87	43.14
3.015	16.84	5.39	0.95	6.12	131.28	0.81	43.14
3.092	16.84	5.39	0.92	6.08	127.56	0.8	43.13
3.14	16.84	5.39	0.84	6.04	123.15	0.83	43.14
3.157	16.84	5.39	0.95	6.03	121.84	1.15	43.14
3.165	16.84	5.39	0.88	6.03	124.35	0.93	43.14
3.186	16.84	5.39	0.92	6.04	127.15	1.1	43.15
3.222	16.83	5.39	0.92	6.05	128.54	0.95	43.14
3.272	16.83	5.39	0.92	6.05	126.77	0.83	43.14
3.324	16.83	5.39	0.95	6.04	123.06	0.83	43.14
3.383	16.83	5.39	0.84	6.02	119.55	1.01	43.15
3.444	16.83	5.39	0.92	5.99	116.19	0.98	43.15
3.498	16.82	5.39	0.88	5.96	114.72	0.95	43.15
3.548	16.82	5.39	0.8	5.95	113.84	0.85	43.16
3.591	16.82	5.39	0.8	5.95	114.27	0.88	43.16
3.617	16.81	5.39	1.03	5.94	114.11	0.88	43.16
3.63	16.81	5.39	0.88	5.95	113.4	0.85	43.16
3.641	16.81	5.39	0.99	5.96	112.35	0.79	43.17
3.675	16.81	5.39	1.07	5.99	111.67	0.87	43.17
3.739	16.81	5.39	0.99	6.03	109.47	0.82	43.17
3.82	16.81	5.39	0.8	6.06	106.91	1.02	43.17
3.9	16.8	5.39	0.84	6.09	105.07	0.81	43.17
3.959	16.8	5.39	0.88	6.1	102.83	0.78	43.17
3.987	16.8	5.39	0.8	6.1	101.88	0.81	43.17
3.994	16.8	5.39	0.84	6.04	103.33	0.92	43.17
4.004	16.8	5.39	1.07	6.0	103.62	0.89	43.18
4.059	16.8	5.39	0.95	5.98	101.76	1.02	43.18
4.162	16.8	5.39	0.92	5.96	98.47	1.03	43.19
4.265	16.79	5.39	0.84	5.96	95.66	0.93	43.19
4.312	16.79	5.39	1.18	5.95	95.32	1.12	43.2
4.325	16.79	5.39	0.84	5.96	95.32	1.18	43.2
4.387	16.79	5.39	0.92	5.98	92.58	1.03	43.21
4.485	16.79	5.39	0.88	6.01	90.12	1.17	43.21
4.578	16.78	5.39	0.88	6.04	88.63	0.89	43.21
4.636	16.78	5.39	0.88	6.08	88.02	1.02	43.22
4.653	16.77	5.39	0.95	6.28	84.62	1.16	43.23
4.679	16.77	5.39	0.95	6.37	84.07	1.17	43.23

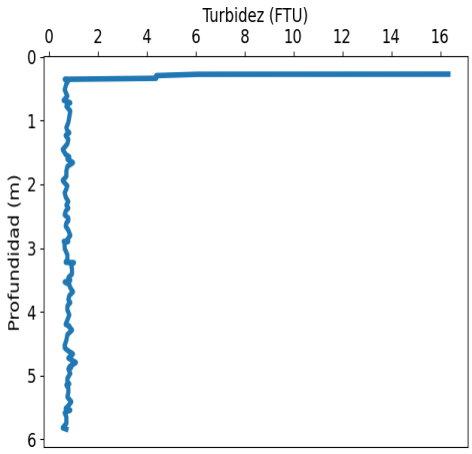
4.75	16.77	5.39	0.88	6.47	82.89	0.94	43.24
4.838	16.77	5.39	0.92	6.58	81.92	1.01	43.24
4.906	16.77	5.39	1.07	6.67	81.08	1.03	43.25
4.945	16.77	5.39	0.84	6.76	80.45	0.97	43.25
4.964	16.76	5.39	0.95	6.83	78.99	1.27	43.26
4.978	16.76	5.39	0.84	6.87	78.3	1.16	43.26
4.998	16.76	5.39	0.88	6.9	77.13	0.97	43.27
5.04	16.76	5.39	0.92	6.92	75.81	1.13	43.27
5.102	16.75	5.39	0.92	6.94	74.61	1.04	43.27
5.172	16.75	5.39	0.99	6.94	74.22	1.16	43.29
5.232	16.76	5.4	0.88	6.94	73.67	1.18	43.34
5.268	16.77	5.41	0.99	6.93	73.09	1.07	43.43
5.292	16.81	5.42	0.95	6.92	72.16	1.28	43.51
5.317	16.85	5.43	0.88	6.92	71.05	1.18	43.51
5.35	16.88	5.44	0.95	6.91	70.46	1.31	43.54
5.391	16.92	5.44	0.88	6.9	68.99	1.27	43.54
5.442	16.94	5.44	0.92	6.9	68.46	1.2	43.55
5.49	16.96	5.45	0.8	6.91	68.02	1.27	43.54
5.532	16.97	5.45	0.88	6.92	67.24	1.24	43.55
5.571	16.99	5.45	0.76	6.95	66.96	1.12	43.56
5.621	17.0	5.45	0.8	6.97	66.08	1.24	43.57
5.671	17.01	5.45	0.88	6.99	64.67	1.54	43.57
5.711	17.02	5.46	0.88	7.02	63.7	1.3	43.57
5.738	17.03	5.46	0.72	7.04	62.58	1.52	43.58
5.767	17.04	5.46	0.72	7.07	62.17	1.41	43.59
5.801	17.04	5.46	0.8	7.09	62.14	1.33	43.58
5.85	17.05	5.46	0.5	7.12	61.47	1.36	43.58
5.926	17.05	5.46	0.57	7.15	59.53	1.32	43.58
6.017	17.06	5.46	0.84	7.19	57.58	1.27	43.57
6.092	17.06	5.46	0.8	7.22	56.31	1.3	43.58
6.134	17.06	5.46	0.76	7.26	55.92	1.31	43.58
6.155	17.06	5.46	0.76	7.28	56.22	1.4	43.58
6.166	17.07	5.46	0.72	7.31	56.65	1.16	43.58
6.185	17.07	5.46	0.69	7.33	56.16	1.21	43.57
6.246	17.07	5.46	0.76	7.34	54.86	1.16	43.57
6.322	17.06	5.46	0.57	7.35	53.36	1.13	43.58
6.363	17.07	5.46	0.8	7.37	52.43	1.11	43.58
6.364	17.07	5.46	0.57	7.3	49.82	1.07	43.58
6.368	17.07	5.46	0.69	7.3	49.42	1.2	43.57
6.375	17.07	5.46	0.57	7.31	48.53	1.14	43.58
6.381	17.07	5.46	0.53	7.35	47.87	1.2	43.58
6.382	17.07	5.46	0.53	7.39	46.85	1.32	43.58

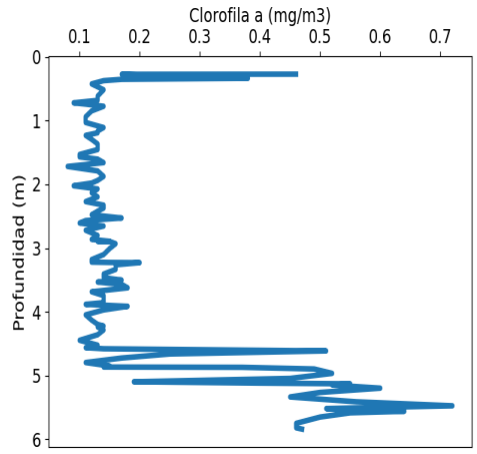
Nombre: CTD E02 - Punto 017 **Fecha: 15/11/2021** **Hora: 01:11:45**

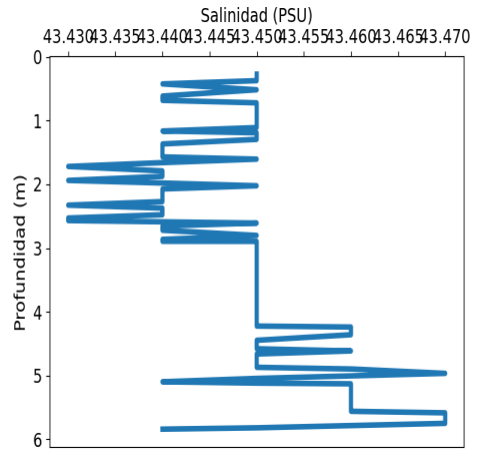


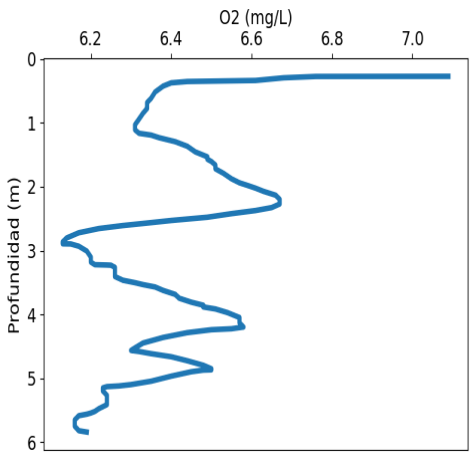


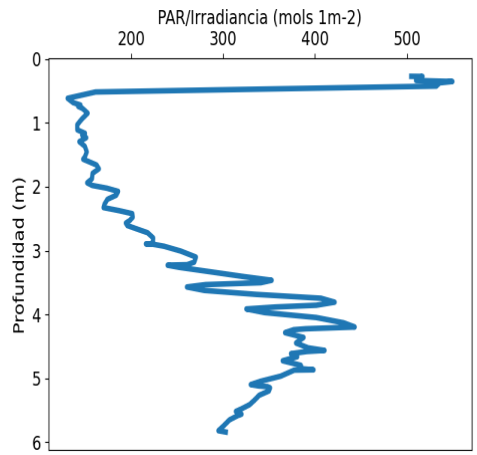












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.95	5.43	0.57	6.13	130.65	0.08	43.43
PROF (metros)	4.284	4.522	1.454	2.863	0.615	1.719	1.719
MÁXIMO	16.99	16.99	16.33	7.09	549.77	0.72	43.47
PROF (metros)	0.271	0.271	0.271	0.271	0.352	5.474	4.965

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E02 - Punto 017	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.98	5.44	2.63	6.47	321.54	0.18	43.45
1 - 2m	16.99	5.44	0.75	6.45	151.52	0.12	43.44
2 - 3m	16.98	5.44	0.74	6.39	199.97	0.13	43.44
3 - 4m	16.97	5.44	0.83	6.33	309.93	0.15	43.45
4 - 5m	16.96	5.44	0.82	6.44	388.7	0.2	43.45
5 - 6m	16.98	5.44	0.76	6.22	325.19	0.5	43.46

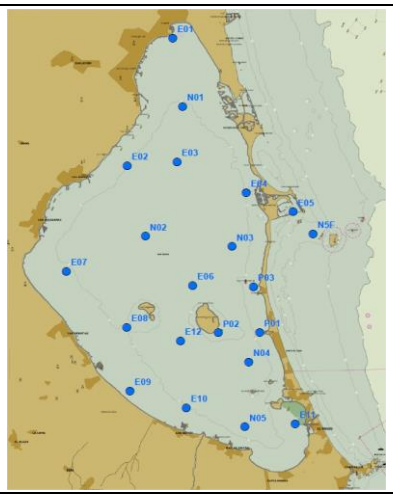
OBSERVACIONES GENERALES

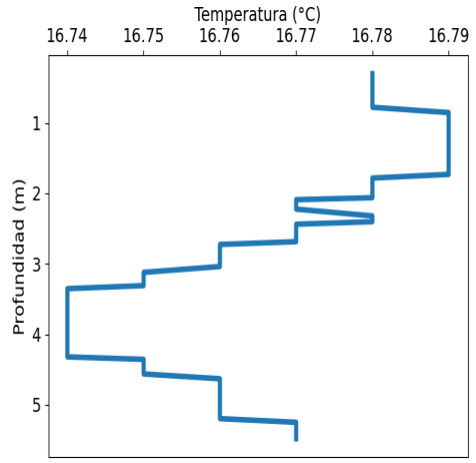
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.271	16.99	5.44	16.33	7.09	504.82	0.46	43.45
0.273	16.98	5.44	6.1	6.76	517.26	0.17	43.45
0.294	16.98	5.44	4.39	6.68	512.13	0.22	43.45
0.336	16.98	5.44	4.39	6.61	510.0	0.38	43.45
0.352	16.98	5.44	0.65	6.44	549.77	0.17	43.45
0.373	16.98	5.44	0.8	6.4	535.81	0.14	43.45
0.424	16.98	5.44	0.72	6.38	532.22	0.12	43.44
0.516	16.98	5.44	0.65	6.36	161.14	0.14	43.45
0.615	16.98	5.44	0.76	6.35	130.65	0.13	43.44
0.682	16.97	5.44	0.61	6.34	136.62	0.13	43.44
0.721	16.97	5.44	0.88	6.34	144.77	0.09	43.45
0.741	16.98	5.44	0.76	6.34	142.11	0.11	43.45
0.775	16.98	5.44	0.72	6.34	147.04	0.14	43.45
0.848	16.98	5.44	0.88	6.33	152.56	0.12	43.45
0.94	16.98	5.44	0.84	6.32	146.19	0.11	43.45
1.029	16.98	5.44	0.8	6.31	141.19	0.11	43.45
1.109	16.99	5.44	0.72	6.31	141.23	0.14	43.45
1.163	16.99	5.44	0.76	6.32	149.65	0.13	43.44
1.191	16.99	5.44	0.84	6.35	146.46	0.13	43.45
1.232	16.99	5.44	0.69	6.37	151.05	0.11	43.45
1.294	16.99	5.44	0.8	6.41	143.4	0.12	43.45
1.366	16.99	5.44	0.76	6.44	149.44	0.13	43.44
1.454	16.99	5.44	0.57	6.46	151.57	0.13	43.44
1.531	16.99	5.44	0.69	6.49	149.51	0.1	43.44
1.569	16.99	5.44	0.84	6.49	147.59	0.1	43.44
1.604	16.98	5.44	0.76	6.5	153.34	0.13	43.45
1.659	16.98	5.44	0.99	6.51	162.19	0.14	43.44
1.719	16.99	5.44	0.76	6.51	164.76	0.08	43.43
1.789	16.99	5.44	0.72	6.53	157.85	0.13	43.44
1.875	16.98	5.44	0.72	6.55	157.23	0.14	43.44
1.938	16.98	5.44	0.57	6.57	151.92	0.13	43.43
1.979	16.98	5.44	0.65	6.59	157.48	0.12	43.44
2.022	16.98	5.44	0.76	6.61	173.34	0.09	43.45
2.072	16.98	5.44	0.72	6.63	185.74	0.13	43.44
2.132	16.98	5.44	0.65	6.66	183.64	0.12	43.44
2.196	16.98	5.44	0.69	6.67	174.07	0.13	43.44

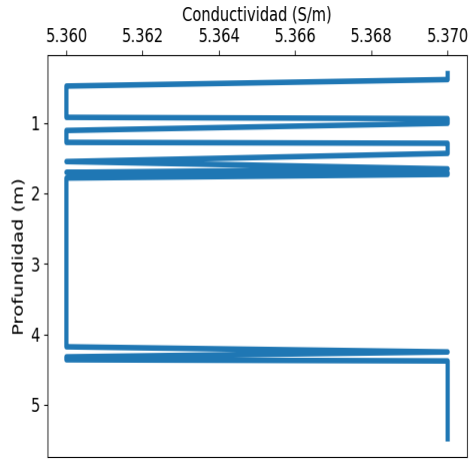
2.27	16.98	5.44	0.8	6.67	170.95	0.11	43.44
2.326	16.99	5.44	0.72	6.65	169.8	0.14	43.43
2.372	16.99	5.44	0.8	6.61	186.17	0.14	43.44
2.421	16.98	5.44	0.69	6.55	201.15	0.13	43.44
2.477	16.98	5.44	0.65	6.49	201.62	0.12	43.44
2.528	16.98	5.44	0.8	6.4	198.37	0.17	43.43
2.568	16.99	5.44	0.8	6.34	194.05	0.11	43.43
2.607	16.99	5.44	0.72	6.28	195.72	0.1	43.45
2.654	16.99	5.44	0.69	6.22	204.82	0.14	43.44
2.72	16.99	5.44	0.8	6.17	217.85	0.11	43.44
2.801	16.99	5.44	0.88	6.14	223.89	0.13	43.45
2.863	16.99	5.44	0.76	6.13	223.58	0.12	43.44
2.893	16.98	5.44	0.72	6.13	221.46	0.15	43.44
2.894	16.98	5.44	0.8	6.14	215.84	0.13	43.45
2.895	16.98	5.44	0.61	6.15	221.77	0.15	43.45
2.931	16.98	5.44	0.65	6.17	235.6	0.16	43.45
3.007	16.98	5.44	0.65	6.19	253.91	0.15	43.45
3.101	16.98	5.44	0.76	6.2	270.44	0.14	43.45
3.18	16.98	5.44	0.76	6.2	268.62	0.12	43.45
3.22	16.98	5.44	0.69	6.21	260.89	0.12	43.45
3.225	16.98	5.44	0.76	6.24	244.67	0.15	43.45
3.228	16.98	5.44	1.03	6.25	239.51	0.2	43.45
3.262	16.98	5.44	0.92	6.26	252.39	0.16	43.45
3.334	16.97	5.44	0.95	6.26	287.57	0.16	43.45
3.406	16.97	5.44	0.95	6.26	322.38	0.14	43.45
3.464	16.97	5.44	0.8	6.28	352.96	0.14	43.45
3.502	16.97	5.44	0.88	6.31	341.05	0.17	43.45
3.532	16.97	5.44	0.65	6.33	280.91	0.13	43.45
3.569	16.97	5.44	0.84	6.36	260.53	0.17	43.45
3.623	16.97	5.44	0.88	6.38	279.61	0.18	43.45
3.685	16.97	5.44	0.99	6.41	335.88	0.12	43.45
3.745	16.97	5.44	0.84	6.42	406.46	0.14	43.45
3.807	16.96	5.44	0.8	6.45	421.53	0.14	43.45
3.855	16.96	5.44	0.88	6.48	401.5	0.14	43.45
3.882	16.96	5.44	0.8	6.48	357.32	0.11	43.45
3.913	16.96	5.44	0.76	6.51	325.23	0.18	43.45
3.97	16.96	5.44	0.76	6.54	345.27	0.14	43.45
4.047	16.96	5.44	0.84	6.57	401.41	0.11	43.45
4.13	16.96	5.44	0.76	6.57	431.31	0.12	43.45
4.196	16.96	5.44	0.69	6.58	443.37	0.13	43.45
4.223	16.96	5.44	0.84	6.55	390.04	0.14	43.45
4.238	16.96	5.44	0.84	6.5	376.88	0.13	43.46
4.284	16.95	5.44	0.95	6.44	367.4	0.14	43.46
4.359	16.95	5.44	0.76	6.38	387.69	0.13	43.46
4.446	16.95	5.44	0.72	6.33	379.34	0.1	43.45
4.522	16.95	5.43	0.65	6.31	392.58	0.13	43.45
4.562	16.95	5.43	0.65	6.3	410.54	0.11	43.45
4.579	16.95	5.44	0.69	6.32	391.12	0.14	43.45
4.613	16.95	5.44	0.8	6.35	373.84	0.51	43.46
4.661	16.95	5.44	0.99	6.4	380.75	0.25	43.45
4.724	16.96	5.44	0.8	6.44	364.85	0.17	43.45
4.795	16.96	5.44	1.11	6.48	384.65	0.11	43.45
4.849	16.96	5.44	0.88	6.5	385.9	0.15	43.45
4.866	16.96	5.43	0.84	6.5	398.54	0.14	43.45
4.87	16.96	5.44	0.92	6.48	377.5	0.37	43.45
4.896	16.96	5.44	0.8	6.45	373.49	0.49	43.46
4.965	16.96	5.44	0.88	6.4	362.74	0.52	43.47
5.044	16.97	5.44	0.76	6.35	341.05	0.45	43.45

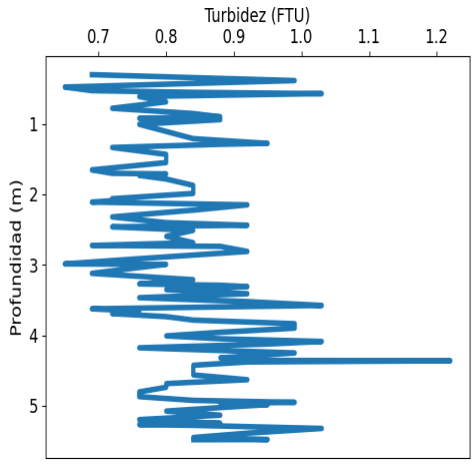
5.097	16.97	5.44	0.76	6.3	330.01	0.19	43.44
5.118	16.97	5.44	0.8	6.27	338.61	0.4	43.45
5.129	16.97	5.44	0.84	6.24	348.41	0.55	43.46
5.148	16.97	5.44	0.72	6.23	351.24	0.52	43.46
5.197	16.97	5.44	0.8	6.23	349.86	0.6	43.46
5.264	16.98	5.44	0.8	6.24	339.32	0.5	43.46
5.335	16.98	5.44	0.76	6.24	334.56	0.45	43.46
5.411	16.98	5.44	0.92	6.24	328.87	0.56	43.46
5.474	16.98	5.44	0.8	6.22	320.37	0.72	43.46
5.517	16.98	5.44	0.69	6.21	313.83	0.51	43.46
5.542	16.98	5.44	0.88	6.2	316.6	0.54	43.46
5.56	16.98	5.44	0.76	6.19	320.14	0.64	43.46
5.584	16.98	5.44	0.65	6.17	315.72	0.55	43.47
5.65	16.98	5.44	0.72	6.16	306.92	0.5	43.47
5.749	16.99	5.44	0.72	6.16	300.1	0.46	43.47
5.819	16.99	5.44	0.57	6.17	294.86	0.46	43.45
5.84	16.99	5.44	0.72	6.19	302.96	0.47	43.44

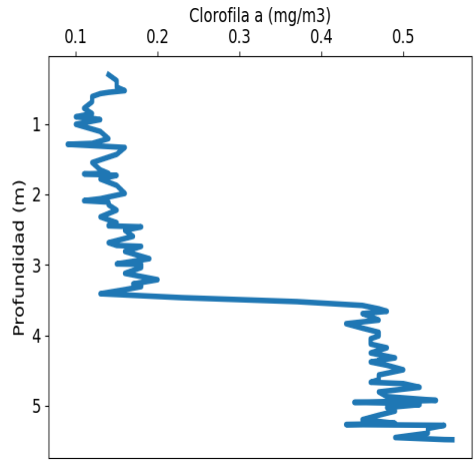
Nombre: CTD N01 - Punto 018 **Fecha: 15/11/2021** **Hora: 01:11:23**

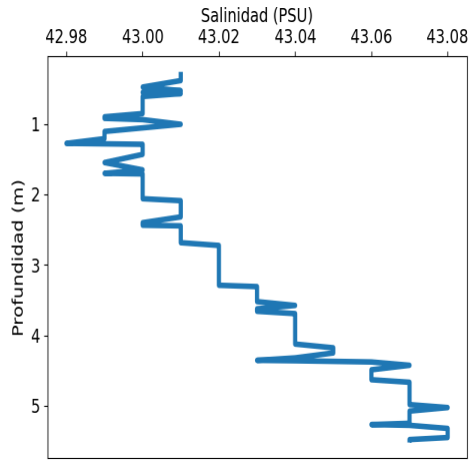


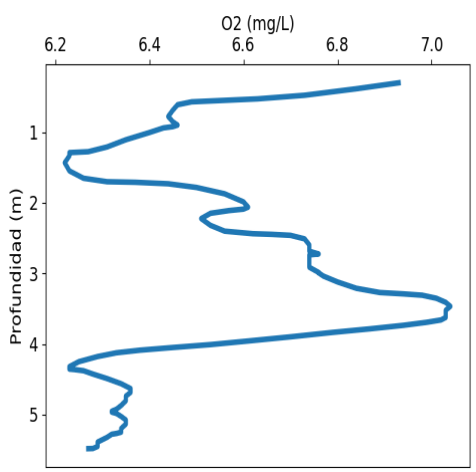


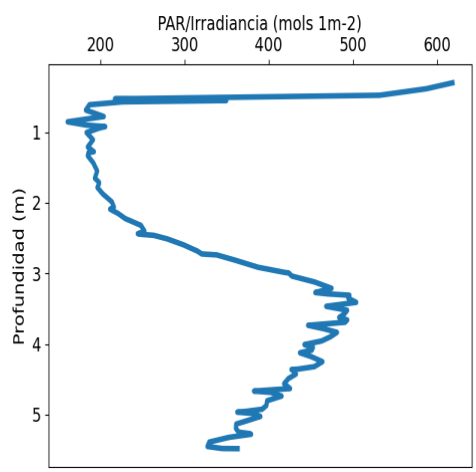












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.74	5.36	0.65	6.22	160.95	0.09	42.98
PROF (metros)	3.353	0.479	0.479	1.434	0.855	1.291	1.278
MÁXIMO	16.79	16.79	1.22	7.04	618.18	0.56	43.08
PROF (metros)	0.855	0.303	4.362	3.467	0.303	5.482	5.026

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N01 - Punto 018	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.78	5.36	0.81	6.56	296.38	0.13	43.0
1 - 2m	16.79	5.37	0.8	6.35	194.01	0.13	43.0
2 - 3m	16.77	5.36	0.79	6.66	288.93	0.15	43.01
3 - 4m	16.74	5.36	0.84	6.91	474.86	0.32	43.03
4 - 5m	16.75	5.37	0.89	6.33	419.4	0.48	43.06
5 - 6m	16.77	5.37	0.86	6.32	360.43	0.5	43.07

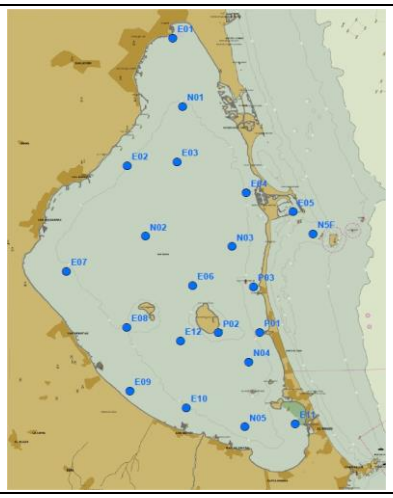
OBSERVACIONES GENERALES

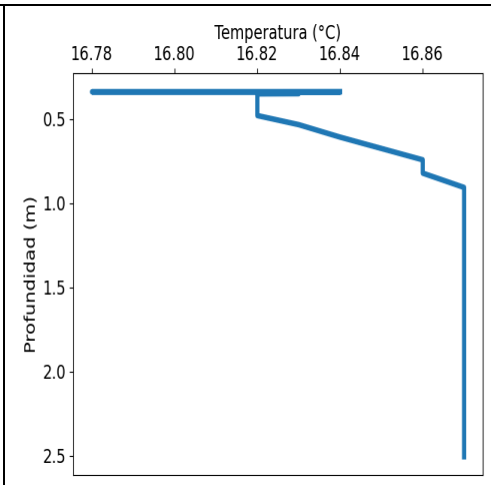
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.303	16.78	5.37	0.69	6.93	618.18	0.14	43.01
0.387	16.78	5.37	0.99	6.84	587.04	0.15	43.01
0.479	16.78	5.36	0.65	6.73	531.48	0.15	43.0
0.53	16.78	5.36	0.69	6.63	217.14	0.16	43.01
0.554	16.78	5.36	0.84	6.55	349.54	0.14	43.0
0.572	16.78	5.36	1.03	6.49	226.76	0.13	43.01
0.613	16.78	5.36	0.76	6.46	186.95	0.12	43.0
0.689	16.78	5.36	0.8	6.45	182.66	0.12	43.0
0.78	16.78	5.36	0.72	6.44	204.02	0.11	43.0
0.855	16.79	5.36	0.84	6.45	160.95	0.12	43.0
0.901	16.79	5.36	0.88	6.46	183.21	0.1	42.99
0.923	16.79	5.36	0.76	6.45	205.77	0.12	42.99
0.941	16.79	5.37	0.88	6.43	199.2	0.13	43.0
1.007	16.79	5.37	0.76	6.4	183.43	0.1	43.01
1.109	16.79	5.36	0.8	6.35	191.2	0.13	42.99
1.211	16.79	5.36	0.84	6.31	184.92	0.14	42.99
1.278	16.79	5.36	0.95	6.27	192.22	0.12	42.98
1.291	16.79	5.37	0.88	6.23	185.74	0.09	43.0
1.336	16.79	5.37	0.72	6.23	184.92	0.16	43.0
1.434	16.79	5.37	0.8	6.22	191.37	0.15	43.0
1.55	16.79	5.36	0.8	6.23	196.13	0.12	42.99
1.654	16.79	5.37	0.69	6.26	193.38	0.13	43.0
1.703	16.79	5.36	0.72	6.31	197.69	0.14	42.99
1.711	16.79	5.37	0.8	6.37	198.33	0.11	43.0
1.732	16.79	5.37	0.76	6.44	198.33	0.15	43.0
1.784	16.78	5.36	0.8	6.5	196.36	0.13	43.0
1.874	16.78	5.36	0.84	6.56	202.65	0.15	43.0
1.988	16.78	5.36	0.84	6.6	213.55	0.16	43.0
2.063	16.78	5.36	0.72	6.61	216.04	0.13	43.0
2.091	16.77	5.36	0.72	6.6	211.43	0.11	43.01
2.111	16.77	5.36	0.69	6.57	214.44	0.14	43.01
2.15	16.77	5.36	0.92	6.53	220.64	0.14	43.01
2.225	16.77	5.36	0.84	6.51	229.51	0.15	43.01
2.321	16.78	5.36	0.72	6.53	248.1	0.13	43.01
2.403	16.78	5.36	0.8	6.56	252.33	0.15	43.0
2.439	16.77	5.36	0.92	6.62	244.27	0.14	43.0

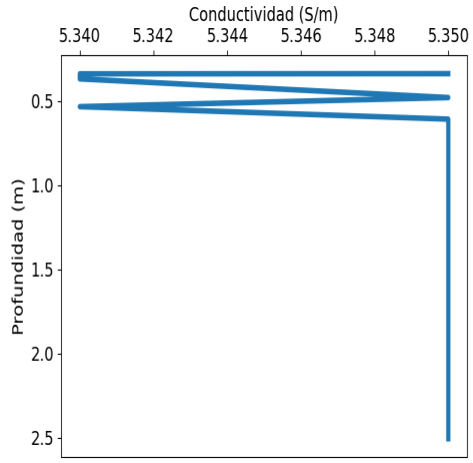
2.448	16.77	5.36	0.84	6.66	248.84	0.14	43.01
2.462	16.77	5.36	0.72	6.7	263.2	0.18	43.01
2.512	16.77	5.36	0.84	6.73	279.23	0.16	43.01
2.597	16.77	5.36	0.8	6.74	298.78	0.17	43.01
2.687	16.77	5.36	0.84	6.74	315.43	0.14	43.01
2.726	16.76	5.36	0.69	6.76	320.37	0.15	43.02
2.739	16.76	5.36	0.88	6.74	337.99	0.18	43.02
2.811	16.76	5.36	0.92	6.74	359.15	0.16	43.02
2.914	16.76	5.36	0.76	6.74	387.15	0.19	43.02
2.988	16.76	5.36	0.65	6.76	419.19	0.15	43.02
2.994	16.76	5.36	0.8	6.76	423.58	0.18	43.02
3.039	16.76	5.36	0.76	6.77	427.43	0.18	43.02
3.122	16.75	5.36	0.69	6.8	454.19	0.16	43.02
3.212	16.75	5.36	0.84	6.84	474.64	0.2	43.02
3.272	16.75	5.36	0.76	6.89	455.14	0.17	43.02
3.291	16.75	5.36	0.88	6.94	469.93	0.18	43.02
3.31	16.75	5.36	0.92	6.98	495.78	0.18	43.03
3.353	16.74	5.36	0.8	7.01	494.4	0.16	43.03
3.411	16.74	5.36	0.92	7.03	503.89	0.13	43.03
3.467	16.74	5.36	0.76	7.04	468.08	0.23	43.03
3.523	16.74	5.36	0.92	7.03	493.14	0.37	43.03
3.577	16.74	5.36	1.03	7.03	489.5	0.45	43.04
3.625	16.74	5.36	0.69	7.03	483.52	0.47	43.03
3.66	16.74	5.36	0.76	7.02	493.26	0.48	43.03
3.693	16.74	5.36	0.72	6.99	490.63	0.45	43.04
3.736	16.74	5.36	0.8	6.94	446.57	0.46	43.04
3.785	16.74	5.36	0.84	6.87	465.49	0.47	43.04
3.836	16.74	5.36	0.99	6.79	481.06	0.43	43.04
3.899	16.74	5.36	0.99	6.7	473.1	0.45	43.04
3.958	16.74	5.36	0.88	6.61	462.58	0.47	43.04
4.009	16.74	5.36	0.8	6.53	442.24	0.47	43.04
4.05	16.74	5.36	0.88	6.45	452.51	0.46	43.04
4.088	16.74	5.36	1.03	6.38	450.94	0.46	43.04
4.125	16.74	5.36	0.95	6.33	436.95	0.46	43.04
4.178	16.74	5.36	0.76	6.29	450.1	0.48	43.05
4.251	16.74	5.37	0.99	6.25	463.76	0.46	43.05
4.321	16.74	5.36	0.88	6.23	454.19	0.49	43.04
4.356	16.75	5.36	0.92	6.23	434.62	0.47	43.03
4.362	16.75	5.36	1.22	6.24	426.84	0.47	43.04
4.379	16.75	5.37	0.92	6.26	429.12	0.46	43.06
4.426	16.75	5.37	0.84	6.28	432.31	0.48	43.07
4.49	16.75	5.37	0.84	6.31	423.29	0.5	43.06
4.563	16.75	5.37	0.84	6.34	418.12	0.47	43.06
4.631	16.76	5.37	0.92	6.36	425.36	0.47	43.06
4.667	16.76	5.37	0.84	6.36	382.34	0.46	43.07
4.686	16.76	5.37	0.8	6.36	402.71	0.5	43.07
4.738	16.76	5.37	0.8	6.35	415.23	0.52	43.07
4.804	16.76	5.37	0.76	6.35	397.98	0.47	43.07
4.871	16.76	5.37	0.76	6.34	397.15	0.48	43.07
4.924	16.76	5.37	0.84	6.33	392.12	0.54	43.07
4.952	16.76	5.37	0.99	6.32	374.27	0.44	43.07
4.965	16.76	5.37	0.88	6.32	362.49	0.5	43.07
4.984	16.76	5.37	0.95	6.33	381.54	0.52	43.07
5.026	16.76	5.37	0.88	6.34	390.04	0.48	43.08
5.076	16.76	5.37	0.8	6.35	376.97	0.49	43.07
5.134	16.76	5.37	0.88	6.35	361.23	0.47	43.07
5.197	16.76	5.37	0.76	6.34	360.9	0.45	43.07
5.249	16.77	5.37	0.88	6.34	364.34	0.49	43.07

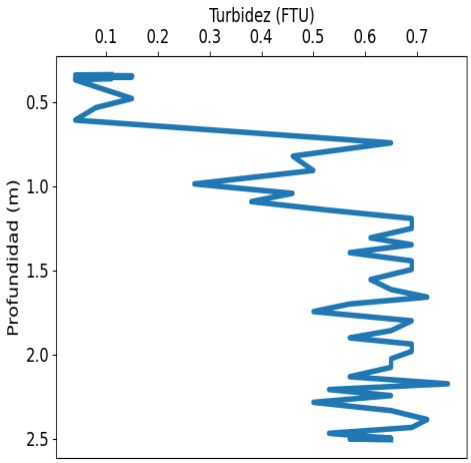
5.267	16.77	5.37	0.76	6.33	376.1	0.43	43.06
5.278	16.77	5.37	0.84	6.32	379.07	0.55	43.07
5.322	16.77	5.37	1.03	6.31	352.79	0.53	43.08
5.389	16.77	5.37	0.92	6.29	329.25	0.53	43.08
5.451	16.77	5.37	0.84	6.29	327.12	0.49	43.08
5.48	16.77	5.37	0.95	6.28	344.39	0.55	43.07
5.482	16.77	5.37	0.84	6.27	363.0	0.56	43.07

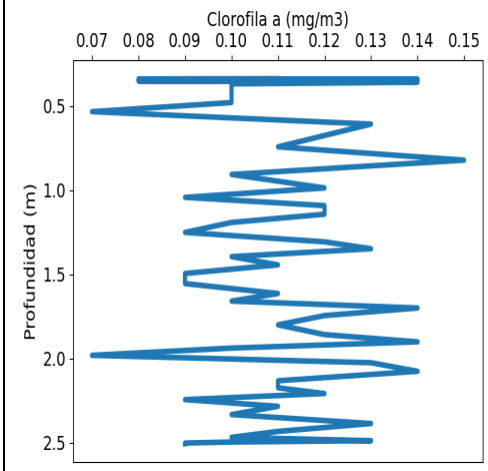
Nombre: CTD E01 - Punto 019 **Fecha: 15/11/2021** **Hora: 01:11:29**

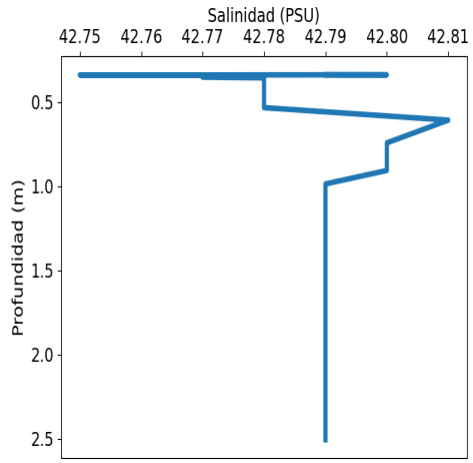


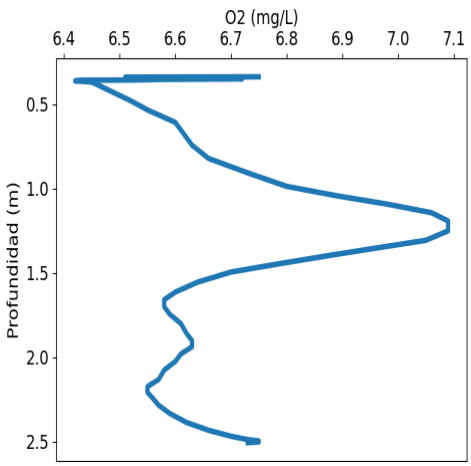


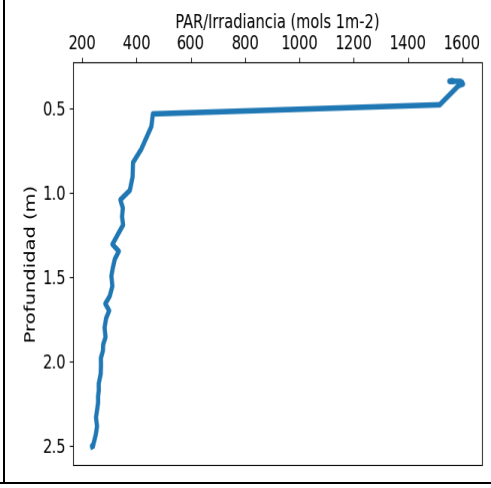












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	16.78	5.34	0.04	6.42	235.98	0.07	42.75
PROF (metros)	0.34	0.34	0.341	0.363	2.503	0.535	0.341
MÁXIMO	16.87	16.87	0.76	7.09	1602.2	0.15	42.81
PROF (metros)	0.908	0.339	2.175	1.193	0.358	0.823	0.609

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E01 - Punto 019	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	16.83	5.35	0.17	6.61	1231.64	0.11	42.78
1 - 2m	16.87	5.35	0.62	6.78	309.28	0.11	42.79
2 - 3m	16.87	5.35	0.63	6.63	252.76	0.11	42.79

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.339	16.84	5.35	0.11	6.75	1563.7	0.11	42.79
0.34	16.78	5.34	0.08	6.6	1566.2	0.09	42.8
0.341	16.84	5.34	0.04	6.51	1551.4	0.08	42.75
0.342	16.83	5.34	0.04	6.69	1591.9	0.14	42.77
0.346	16.83	5.34	0.15	6.7	1597.4	0.09	42.77
0.351	16.83	5.34	0.11	6.72	1597.0	0.11	42.77
0.352	16.82	5.34	0.15	6.69	1590.4	0.13	42.77
0.353	16.82	5.34	0.15	6.64	1599.6	0.08	42.77
0.354	16.82	5.34	0.08	6.58	1597.8	0.12	42.77
0.358	16.82	5.34	0.04	6.52	1602.2	0.11	42.78
0.359	16.82	5.34	0.11	6.43	1600.0	0.14	42.78
0.363	16.82	5.34	0.11	6.42	1592.6	0.13	42.78
0.37	16.82	5.34	0.04	6.45	1584.1	0.1	42.78
0.481	16.82	5.35	0.15	6.52	1516.2	0.1	42.78
0.535	16.83	5.34	0.08	6.55	460.44	0.07	42.78
0.609	16.84	5.35	0.04	6.6	455.03	0.13	42.81
0.744	16.86	5.35	0.65	6.63	417.83	0.11	42.8
0.823	16.86	5.35	0.46	6.66	387.42	0.15	42.8
0.908	16.87	5.35	0.5	6.73	385.81	0.1	42.8
0.988	16.87	5.35	0.27	6.8	375.75	0.12	42.79
1.044	16.87	5.35	0.46	6.89	340.82	0.09	42.79
1.093	16.87	5.35	0.38	6.98	349.94	0.12	42.79
1.144	16.87	5.35	0.53	7.06	346.95	0.12	42.79
1.193	16.87	5.35	0.69	7.09	350.84	0.1	42.79
1.252	16.87	5.35	0.69	7.09	330.55	0.09	42.79
1.308	16.87	5.35	0.61	7.05	311.58	0.12	42.79
1.349	16.87	5.35	0.69	6.97	335.1	0.13	42.79
1.396	16.87	5.35	0.57	6.88	320.29	0.1	42.79
1.445	16.87	5.35	0.69	6.79	313.32	0.11	42.79
1.496	16.87	5.35	0.69	6.7	307.7	0.09	42.79
1.556	16.87	5.35	0.61	6.64	311.43	0.09	42.79
1.615	16.87	5.35	0.65	6.6	301.7	0.11	42.79
1.66	16.87	5.35	0.72	6.58	285.38	0.1	42.79
1.701	16.87	5.35	0.57	6.58	299.68	0.14	42.79
1.746	16.87	5.35	0.5	6.59	288.37	0.12	42.79
1.801	16.87	5.35	0.69	6.61	282.68	0.11	42.79
1.859	16.87	5.35	0.65	6.62	286.17	0.12	42.79
1.902	16.87	5.35	0.57	6.63	277.48	0.14	42.79
1.939	16.87	5.35	0.69	6.63	276.65	0.1	42.79

1.982	16.87	5.35	0.69	6.61	269.06	0.07	42.79
2.026	16.87	5.35	0.65	6.6	269.5	0.13	42.79
2.077	16.87	5.35	0.65	6.58	268.31	0.14	42.79
2.133	16.87	5.35	0.57	6.57	261.14	0.11	42.79
2.175	16.87	5.35	0.76	6.55	261.38	0.11	42.79
2.209	16.87	5.35	0.53	6.55	258.67	0.12	42.79
2.245	16.87	5.35	0.65	6.56	258.85	0.09	42.79
2.285	16.87	5.35	0.5	6.57	255.63	0.11	42.79
2.334	16.87	5.35	0.65	6.59	251.05	0.1	42.79
2.387	16.87	5.35	0.72	6.62	254.97	0.13	42.79
2.434	16.87	5.35	0.69	6.66	250.46	0.11	42.79
2.469	16.87	5.35	0.53	6.7	245.24	0.1	42.79
2.489	16.87	5.35	0.61	6.73	242.13	0.13	42.79
2.497	16.87	5.35	0.65	6.75	241.23	0.1	42.79
2.503	16.87	5.35	0.57	6.75	235.98	0.09	42.79
2.507	16.87	5.35	0.65	6.73	236.86	0.09	42.79