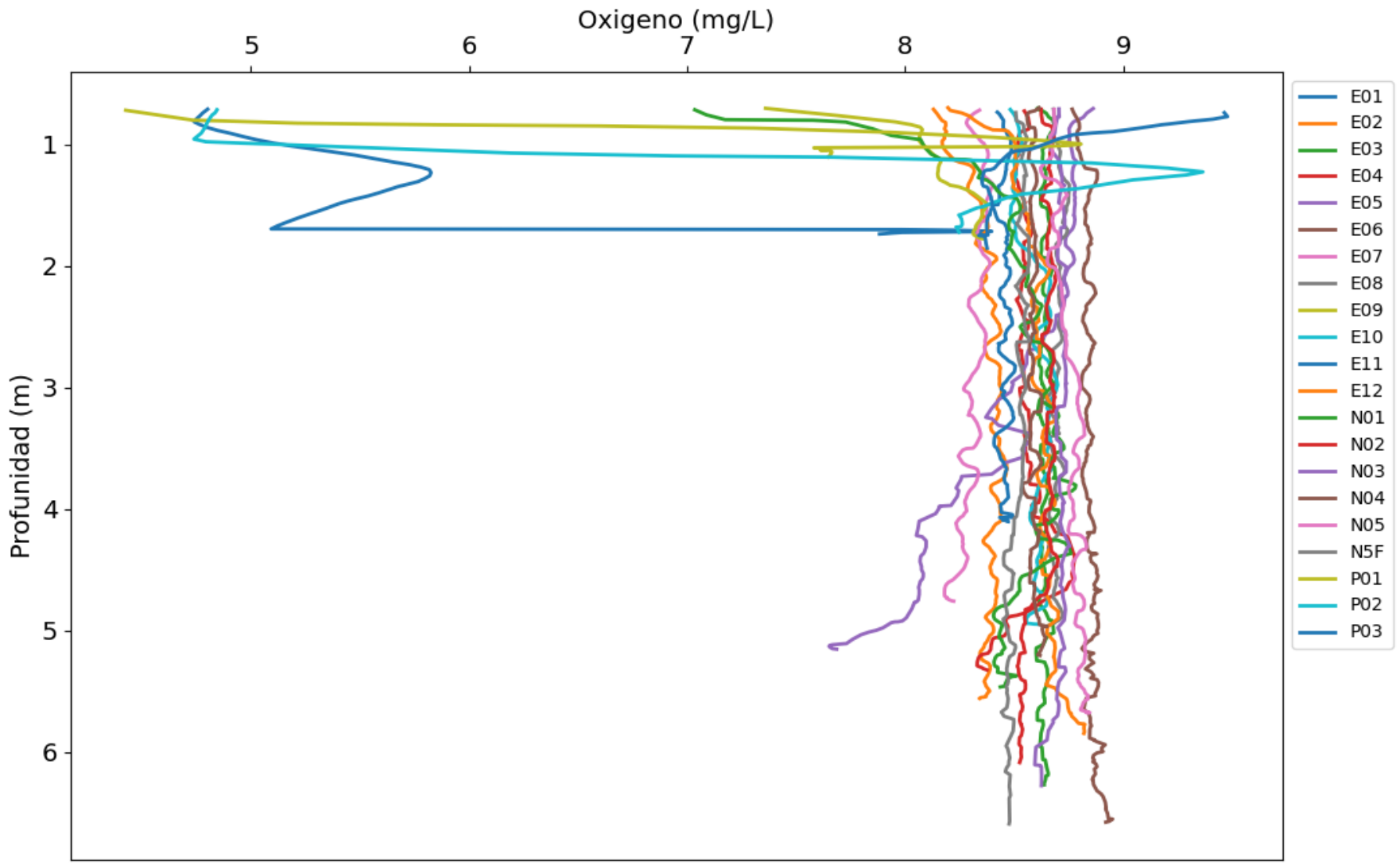
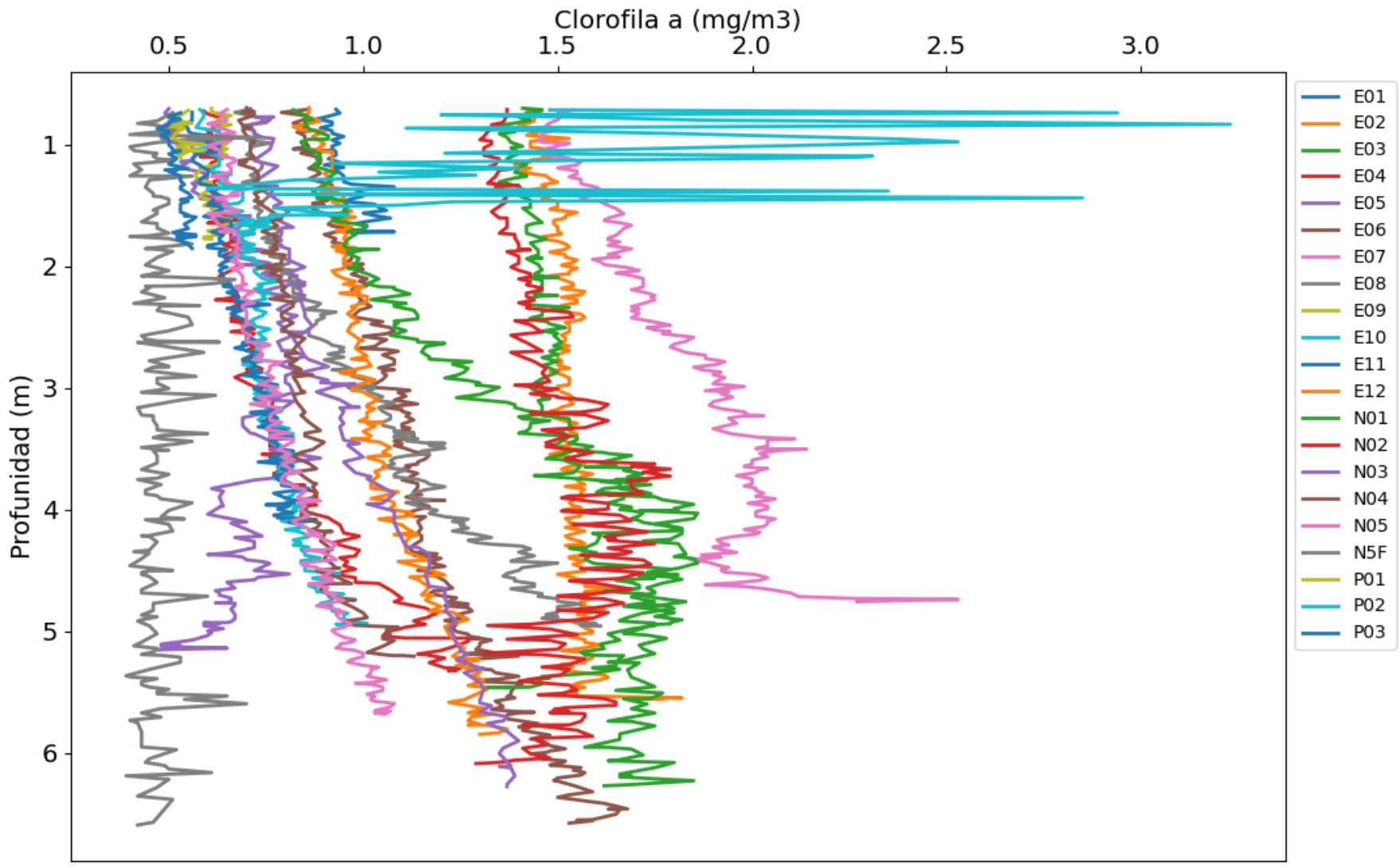
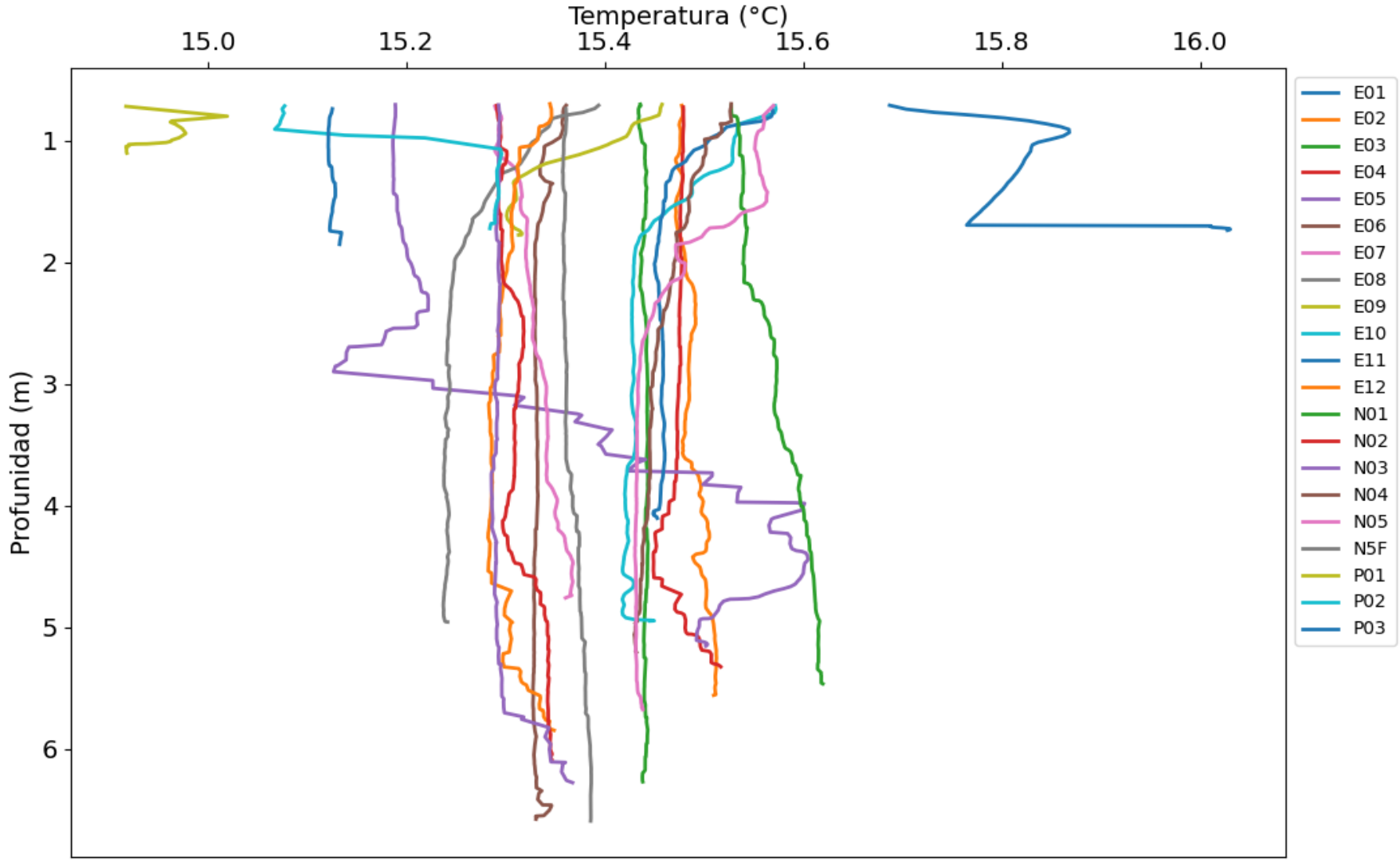
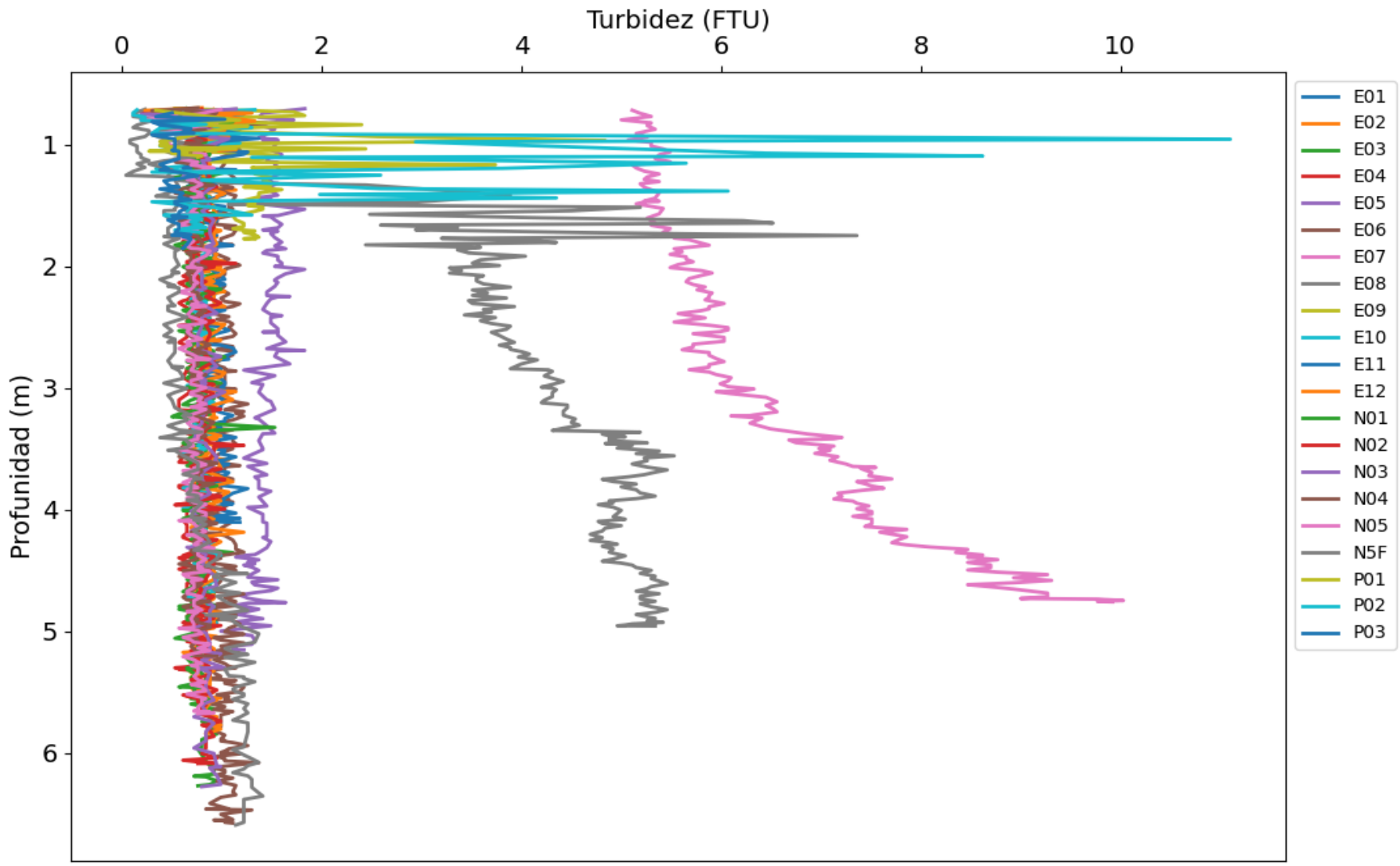
FICHA GENERAL DE MUESTREOS PARA OXÍGENO, TURBIDEZ, CLOROFILA Y TEMPERATURA **FECHA: 20250224**

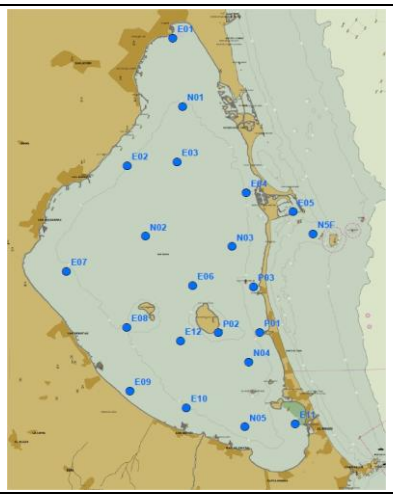


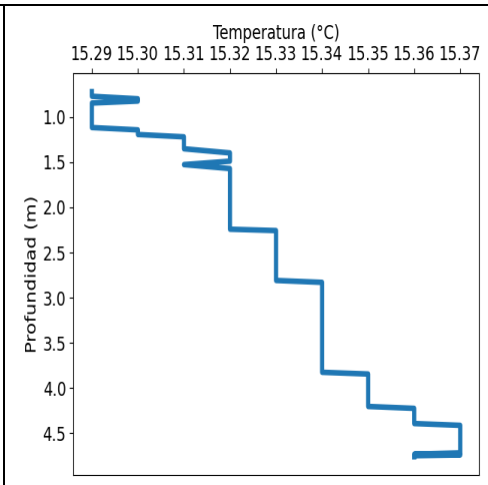

Clorofila a (mg/m3)
0.5
1.0
1.5
2.0
2.5
3.0
Profunidad (m)
1
2
3
4
5
6
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

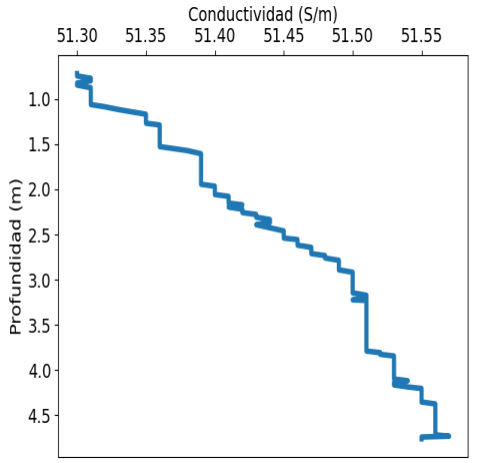

Temperatura (°C)
15.0
15.2
15.4
15.6
15.8
16.0
Profunidad (m)
1
2
3
4
5
6
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

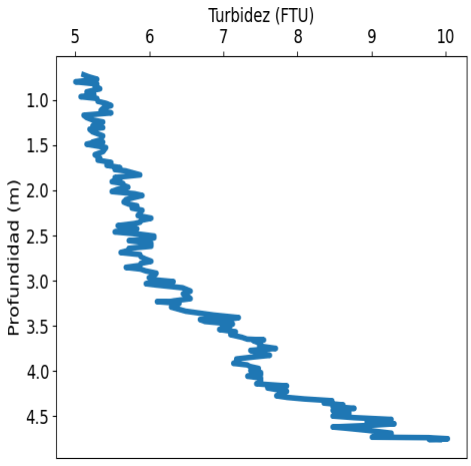

Turbidez (FTU)
0
2
4
6
8
10
Profunidad (m)
1
2
3
4
5
6
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

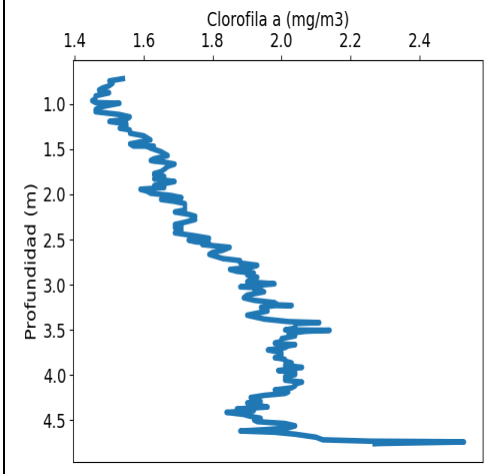
Nombre: CTD E07 - Punto 001 **Fecha: 24/02/2025** **Hora: 07:02:56**

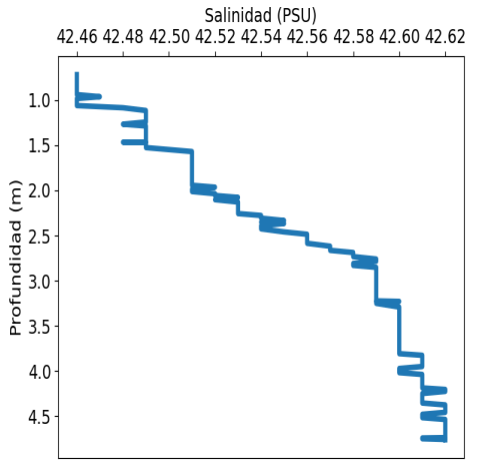


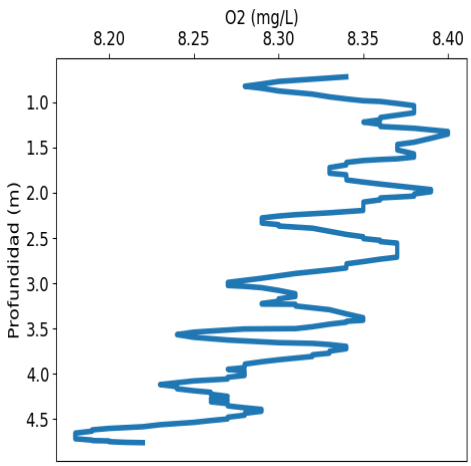


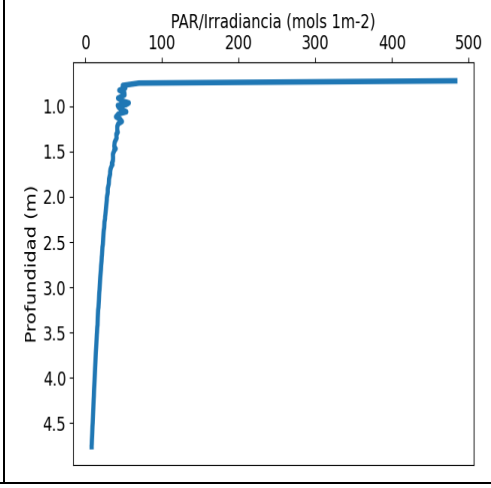












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.29	51.3	5.0	8.18	8.03	1.45	42.46
PROF (metros)	0.72	0.72	0.799	4.654	4.756	0.964	0.72
MÁXIMO	15.37	15.37	10.03	8.4	482.85	2.53	42.62
PROF (metros)	4.412	4.731	4.748	1.324	0.72	4.74	4.203

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E07 - Punto 001	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.29	51.31	5.22	8.32	86.72	1.49	42.46
1 - 2m	15.31	51.37	5.41	8.37	36.97	1.6	42.5
2 - 3m	15.33	51.45	5.86	8.34	23.03	1.79	42.56
3 - 4m	15.34	51.51	6.96	8.3	15.03	2.0	42.6
4 - 5m	15.36	51.55	8.5	8.24	9.82	2.03	42.61

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

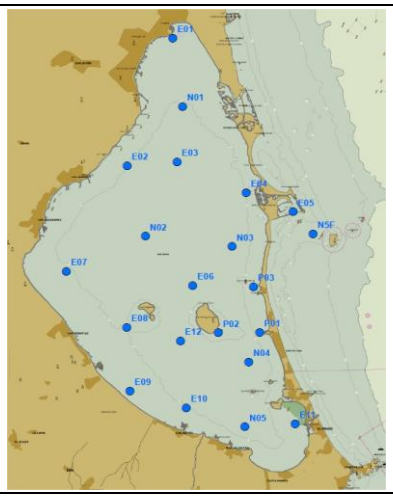
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.72	15.29	51.3	5.11	8.34	482.85	1.54	42.46
0.745	15.29	51.3	5.19	8.32	69.84	1.5	42.46
0.771	15.29	51.31	5.3	8.3	48.63	1.51	42.46
0.799	15.3	51.31	5.0	8.29	52.09	1.5	42.46
0.824	15.3	51.3	5.3	8.28	44.1	1.48	42.46
0.846	15.29	51.3	5.26	8.29	50.66	1.47	42.46
0.876	15.29	51.31	5.34	8.3	51.02	1.5	42.46
0.911	15.29	51.31	5.15	8.32	42.45	1.46	42.46
0.941	15.29	51.31	5.26	8.33	47.48	1.46	42.46
0.964	15.29	51.31	5.07	8.34	56.67	1.45	42.47
0.984	15.29	51.31	5.3	8.35	52.72	1.46	42.46
0.992	15.29	51.31	5.3	8.36	42.08	1.53	42.46
1.014	15.29	51.31	5.3	8.37	43.54	1.5	42.46
1.038	15.29	51.31	5.42	8.38	47.56	1.47	42.46
1.062	15.29	51.31	5.49	8.38	53.38	1.46	42.46
1.086	15.29	51.32	5.38	8.38	43.0	1.46	42.48
1.117	15.29	51.33	5.34	8.38	39.81	1.53	42.49
1.143	15.3	51.34	5.49	8.37	45.19	1.56	42.49
1.169	15.3	51.35	5.11	8.36	47.65	1.55	42.49
1.194	15.3	51.35	5.15	8.36	42.82	1.5	42.49
1.22	15.31	51.35	5.23	8.35	41.5	1.55	42.49
1.244	15.31	51.35	5.38	8.36	41.53	1.55	42.49
1.268	15.31	51.35	5.26	8.36	41.53	1.53	42.48
1.288	15.31	51.36	5.23	8.38	42.25	1.56	42.49
1.306	15.31	51.36	5.38	8.39	40.3	1.56	42.49
1.324	15.31	51.36	5.19	8.4	40.35	1.56	42.49
1.352	15.31	51.36	5.23	8.4	40.69	1.6	42.49
1.398	15.32	51.36	5.38	8.39	38.11	1.62	42.49
1.442	15.32	51.36	5.34	8.38	37.6	1.56	42.49
1.466	15.32	51.36	5.23	8.37	38.02	1.57	42.49
1.467	15.32	51.36	5.38	8.37	38.1	1.63	42.48
1.469	15.32	51.36	5.26	8.37	39.53	1.61	42.49
1.489	15.32	51.36	5.15	8.37	37.7	1.62	42.49
1.527	15.31	51.36	5.42	8.37	35.81	1.65	42.49
1.571	15.32	51.38	5.38	8.38	35.99	1.67	42.51
1.606	15.32	51.39	5.26	8.38	35.81	1.63	42.51

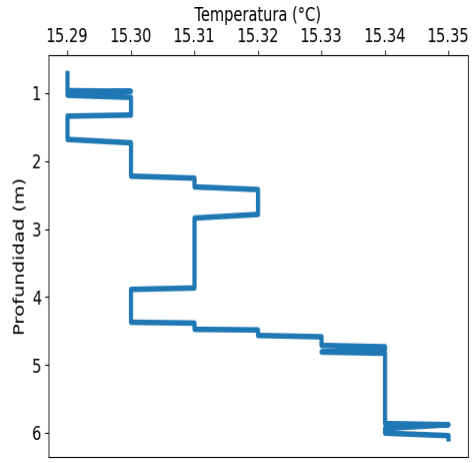
1.625	15.32	51.39	5.3	8.37	34.66	1.62	42.51
1.633	15.32	51.39	5.3	8.36	34.4	1.63	42.51
1.644	15.32	51.39	5.34	8.35	35.34	1.66	42.51
1.665	15.32	51.39	5.3	8.34	33.94	1.69	42.51
1.692	15.32	51.39	5.49	8.34	32.78	1.67	42.51
1.722	15.32	51.39	5.42	8.33	32.23	1.66	42.51
1.749	15.32	51.39	5.61	8.33	32.18	1.65	42.51
1.77	15.32	51.39	5.53	8.33	31.6	1.63	42.51
1.784	15.32	51.39	5.68	8.33	31.32	1.63	42.51
1.802	15.32	51.39	5.76	8.34	30.83	1.66	42.51
1.829	15.32	51.39	5.88	8.34	30.68	1.63	42.51
1.858	15.32	51.39	5.53	8.34	30.48	1.69	42.51
1.882	15.32	51.39	5.61	8.35	29.8	1.66	42.51
1.904	15.32	51.39	5.49	8.36	29.25	1.63	42.51
1.924	15.32	51.39	5.65	8.37	29.09	1.66	42.51
1.944	15.32	51.39	5.65	8.38	29.13	1.59	42.51
1.965	15.32	51.4	5.72	8.39	28.9	1.61	42.52
1.988	15.32	51.4	5.57	8.39	28.32	1.62	42.51
2.013	15.32	51.4	5.49	8.38	27.93	1.68	42.51
2.037	15.32	51.4	5.8	8.38	27.84	1.71	42.52
2.057	15.32	51.4	5.91	8.36	27.62	1.65	42.52
2.078	15.32	51.41	5.8	8.36	27.34	1.69	42.53
2.103	15.32	51.41	5.68	8.35	27.14	1.72	42.52
2.129	15.32	51.41	5.65	8.35	26.81	1.72	42.53
2.152	15.32	51.41	5.72	8.35	26.59	1.72	42.53
2.172	15.32	51.42	5.84	8.35	26.34	1.72	42.53
2.195	15.32	51.41	5.76	8.35	26.05	1.69	42.53
2.221	15.32	51.42	5.91	8.33	25.67	1.73	42.53
2.242	15.32	51.42	5.88	8.31	25.58	1.75	42.53
2.257	15.33	51.42	5.88	8.3	25.3	1.74	42.53
2.278	15.33	51.43	5.84	8.29	24.82	1.75	42.54
2.308	15.33	51.43	6.03	8.29	24.64	1.72	42.54
2.334	15.33	51.44	5.88	8.29	24.49	1.69	42.55
2.352	15.33	51.44	5.88	8.3	24.25	1.71	42.54
2.367	15.33	51.44	5.8	8.3	23.93	1.69	42.55
2.391	15.33	51.43	5.57	8.32	23.68	1.71	42.54
2.426	15.33	51.44	5.84	8.33	23.43	1.69	42.54
2.46	15.33	51.45	5.53	8.34	23.17	1.75	42.55
2.486	15.33	51.45	5.88	8.35	22.97	1.79	42.56
2.506	15.33	51.45	6.07	8.35	22.85	1.73	42.56
2.525	15.33	51.45	6.07	8.36	22.7	1.75	42.56
2.539	15.33	51.45	5.99	8.36	22.48	1.79	42.56
2.556	15.33	51.46	5.72	8.37	22.18	1.77	42.56
2.586	15.33	51.46	6.03	8.37	21.97	1.85	42.56
2.618	15.33	51.46	6.03	8.37	21.8	1.83	42.57
2.642	15.33	51.47	5.72	8.37	21.57	1.8	42.57
2.664	15.33	51.47	5.72	8.37	21.3	1.79	42.57
2.688	15.33	51.47	5.61	8.37	21.15	1.81	42.58
2.711	15.33	51.47	5.88	8.37	20.99	1.83	42.58
2.733	15.33	51.48	5.88	8.36	20.7	1.88	42.58
2.76	15.33	51.48	5.95	8.35	20.44	1.88	42.59
2.785	15.33	51.49	6.03	8.34	20.32	1.93	42.59
2.809	15.33	51.49	5.88	8.34	20.12	1.91	42.58
2.83	15.34	51.49	5.88	8.34	19.89	1.85	42.58
2.852	15.34	51.49	5.68	8.33	19.74	1.87	42.59
2.871	15.34	51.49	5.88	8.32	19.53	1.92	42.59
2.891	15.34	51.49	5.95	8.31	19.33	1.9	42.59
2.917	15.34	51.5	6.1	8.3	19.16	1.93	42.59

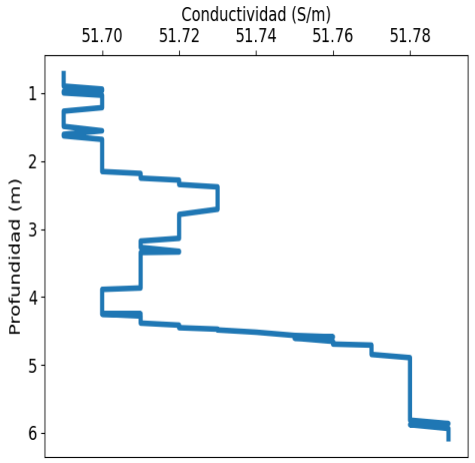
2.944	15.34	51.5	6.07	8.29	19.04	1.91	42.59
2.967	15.34	51.5	5.99	8.28	18.78	1.9	42.59
2.99	15.34	51.5	6.07	8.27	18.6	1.98	42.59
3.01	15.34	51.5	6.33	8.27	18.53	1.92	42.59
3.024	15.34	51.5	6.22	8.27	18.46	1.88	42.59
3.033	15.34	51.5	5.95	8.28	18.32	1.94	42.59
3.048	15.34	51.5	6.1	8.29	18.12	1.92	42.59
3.078	15.34	51.5	6.45	8.3	17.9	1.95	42.59
3.115	15.34	51.5	6.56	8.31	17.76	1.9	42.59
3.145	15.34	51.5	6.45	8.31	17.55	1.89	42.59
3.172	15.34	51.51	6.52	8.3	17.36	1.92	42.59
3.198	15.34	51.51	6.56	8.3	17.18	1.98	42.59
3.223	15.34	51.5	6.33	8.29	17.09	1.99	42.59
3.229	15.34	51.51	6.29	8.29	16.92	2.03	42.6
3.231	15.34	51.51	6.1	8.31	16.8	1.98	42.59
3.25	15.34	51.51	6.41	8.31	16.53	1.94	42.59
3.291	15.34	51.51	6.29	8.33	16.28	1.96	42.6
3.337	15.34	51.51	6.49	8.34	16.04	1.9	42.6
3.38	15.34	51.51	6.87	8.35	15.9	1.95	42.6
3.408	15.34	51.51	7.21	8.35	15.88	2.02	42.6
3.419	15.34	51.51	7.13	8.34	15.76	2.11	42.6
3.429	15.34	51.51	6.68	8.34	15.55	2.04	42.6
3.451	15.34	51.51	6.75	8.33	15.35	2.04	42.6
3.479	15.34	51.51	7.13	8.32	15.24	2.04	42.6
3.5	15.34	51.51	6.98	8.31	15.17	2.01	42.6
3.504	15.34	51.51	7.09	8.28	15.04	2.14	42.6
3.515	15.34	51.51	7.09	8.27	14.9	2.07	42.6
3.539	15.34	51.51	6.94	8.25	14.73	2.02	42.6
3.566	15.34	51.51	7.17	8.24	14.53	2.04	42.6
3.596	15.34	51.51	7.09	8.25	14.35	2.0	42.6
3.626	15.34	51.51	7.25	8.27	14.21	2.0	42.6
3.646	15.34	51.51	7.32	8.29	14.12	1.98	42.6
3.655	15.34	51.51	7.55	8.3	14.08	2.0	42.6
3.663	15.34	51.51	7.4	8.32	13.97	2.04	42.6
3.676	15.34	51.51	7.44	8.33	13.86	2.02	42.6
3.696	15.34	51.51	7.51	8.34	13.72	2.01	42.6
3.722	15.34	51.51	7.48	8.34	13.54	1.96	42.6
3.749	15.34	51.51	7.71	8.33	13.42	2.0	42.6
3.771	15.34	51.51	7.36	8.33	13.33	2.0	42.6
3.789	15.34	51.51	7.44	8.32	13.19	2.0	42.6
3.807	15.34	51.52	7.51	8.32	13.07	1.98	42.6
3.825	15.34	51.52	7.63	8.31	12.98	2.01	42.61
3.844	15.35	51.53	7.4	8.3	12.84	2.01	42.61
3.866	15.35	51.53	7.17	8.29	12.73	2.03	42.61
3.892	15.35	51.53	7.21	8.28	12.58	2.01	42.61
3.914	15.35	51.53	7.13	8.28	12.48	2.06	42.61
3.931	15.35	51.53	7.32	8.28	12.41	2.03	42.61
3.949	15.35	51.53	7.36	8.27	12.29	1.99	42.61
3.971	15.35	51.53	7.48	8.28	12.15	2.04	42.6
3.994	15.35	51.53	7.36	8.28	12.04	2.04	42.6
4.017	15.35	51.53	7.51	8.28	11.94	2.01	42.6
4.037	15.35	51.53	7.51	8.27	11.83	2.01	42.61
4.056	15.35	51.53	7.32	8.27	11.7	2.01	42.61
4.077	15.35	51.53	7.51	8.25	11.56	2.06	42.61
4.098	15.35	51.53	7.51	8.24	11.46	2.04	42.61
4.118	15.35	51.54	7.51	8.23	11.34	2.04	42.61
4.14	15.35	51.53	7.44	8.24	11.21	2.03	42.61
4.164	15.35	51.53	7.86	8.24	11.13	1.98	42.61

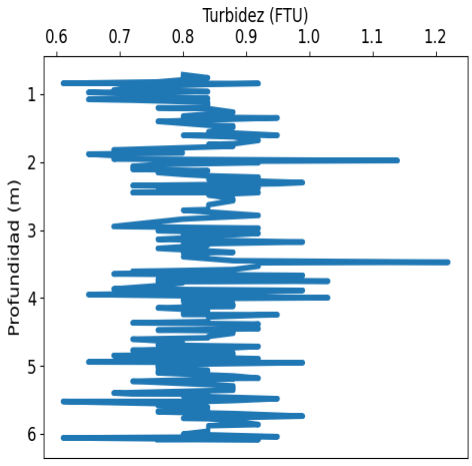
4.186	15.35	51.54	7.59	8.25	11.05	2.02	42.61
4.203	15.35	51.55	7.71	8.26	10.96	2.01	42.62
4.224	15.36	51.55	7.86	8.26	10.78	1.95	42.62
4.248	15.36	51.55	7.78	8.27	10.68	1.91	42.61
4.273	15.36	51.55	7.71	8.26	10.59	1.92	42.61
4.291	15.36	51.55	7.86	8.27	10.55	1.94	42.61
4.308	15.36	51.55	8.09	8.26	10.44	1.9	42.61
4.328	15.36	51.55	8.47	8.27	10.3	1.92	42.61
4.353	15.36	51.55	8.35	8.27	10.19	1.96	42.61
4.374	15.36	51.56	8.62	8.28	10.1	1.87	42.62
4.392	15.36	51.56	8.47	8.29	9.97	1.92	42.62
4.412	15.37	51.56	8.77	8.29	9.84	1.84	42.62
4.435	15.37	51.56	8.47	8.28	9.74	1.89	42.62
4.456	15.37	51.56	8.7	8.28	9.64	1.91	42.62
4.478	15.37	51.56	8.7	8.27	9.57	1.94	42.61
4.497	15.37	51.56	8.47	8.27	9.46	1.92	42.61
4.515	15.37	51.56	8.77	8.26	9.31	1.93	42.61
4.535	15.37	51.56	9.27	8.25	9.16	2.01	42.62
4.561	15.37	51.56	8.93	8.23	9.08	2.04	42.62
4.583	15.37	51.56	9.31	8.22	8.96	2.02	42.62
4.602	15.37	51.56	8.93	8.2	8.87	1.96	42.62
4.618	15.37	51.56	8.47	8.19	8.8	1.88	42.62
4.632	15.37	51.56	8.66	8.19	8.71	1.98	42.62
4.654	15.37	51.56	8.93	8.18	8.55	2.04	42.62
4.687	15.37	51.56	9.27	8.18	8.39	2.1	42.62
4.716	15.37	51.56	9.27	8.18	8.3	2.12	42.62
4.731	15.36	51.57	9.0	8.19	8.23	2.26	42.62
4.736	15.37	51.56	9.77	8.19	8.19	2.47	42.62
4.74	15.37	51.55	9.84	8.2	8.11	2.53	42.61
4.748	15.36	51.55	10.03	8.2	8.05	2.4	42.61
4.756	15.36	51.55	9.77	8.21	8.03	2.29	42.62
4.759	15.36	51.55	9.92	8.22	8.06	2.27	42.62

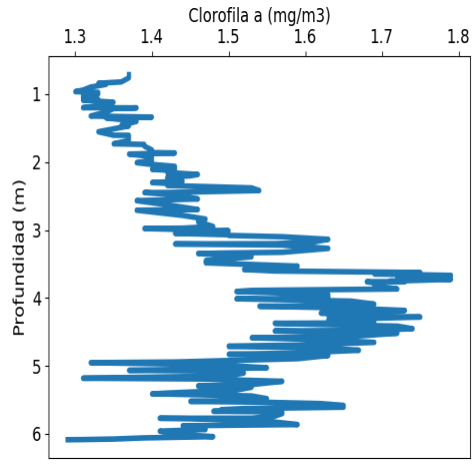
Nombre: CTD N02 - Punto 002 **Fecha: 24/02/2025** **Hora: 08:02:02**

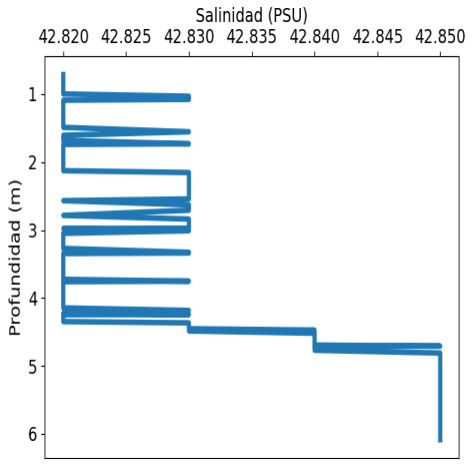


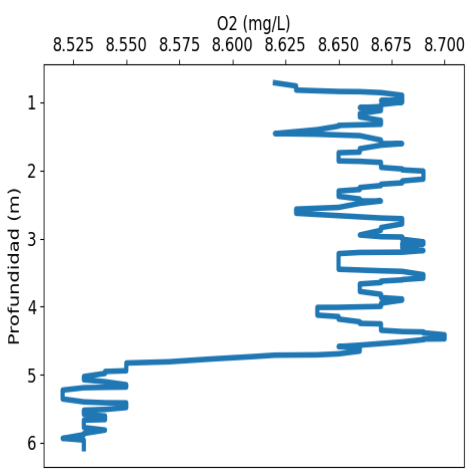


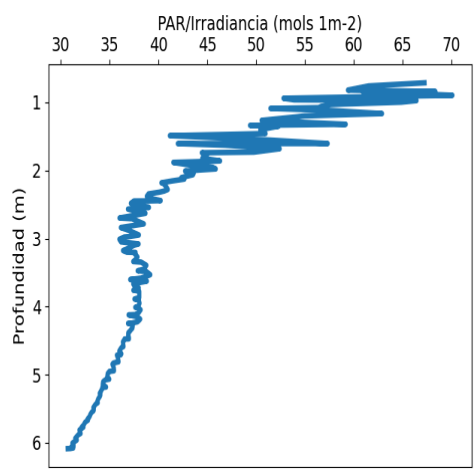












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.29	51.69	0.61	8.52	30.7	1.29	42.82
PROF (metros)	0.713	0.713	0.84	5.227	6.087	6.087	0.713
MÁXIMO	15.35	15.35	1.22	8.7	70.13	1.79	42.85
PROF (metros)	5.881	5.864	3.474	4.415	0.896	3.668	4.709

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N02 - Punto 002	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.29	51.69	0.76	8.66	62.66	1.34	42.82
1 - 2m	15.3	51.7	0.82	8.66	50.15	1.36	42.82
2 - 3m	15.31	51.72	0.83	8.67	39.54	1.43	42.83
3 - 4m	15.31	51.71	0.85	8.67	37.73	1.59	42.82
4 - 5m	15.32	51.73	0.83	8.64	36.67	1.61	42.83
5 - 6m	15.34	51.78	0.82	8.53	33.28	1.5	42.85
6 - 7m	15.35	51.79	0.81	8.53	31.09	1.38	42.85

OBSERVACIONES GENERALES

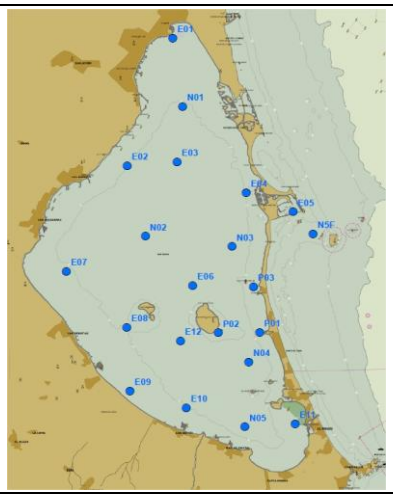
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.713	15.29	51.69	0.8	8.62	67.27	1.37	42.82
0.759	15.29	51.69	0.84	8.63	61.54	1.37	42.82
0.82	15.29	51.69	0.76	8.63	59.41	1.36	42.82
0.84	15.29	51.69	0.61	8.65	68.38	1.33	42.82
0.843	15.29	51.69	0.92	8.66	60.93	1.34	42.82
0.857	15.29	51.69	0.84	8.67	63.51	1.34	42.82
0.896	15.29	51.69	0.72	8.68	70.13	1.32	42.82
0.94	15.29	51.7	0.69	8.68	52.81	1.31	42.82
0.963	15.29	51.7	0.84	8.68	53.9	1.3	42.82
0.974	15.3	51.69	0.65	8.67	66.45	1.33	42.82
0.997	15.29	51.69	0.72	8.68	64.88	1.33	42.82
1.031	15.29	51.7	0.72	8.67	57.65	1.31	42.83
1.062	15.3	51.7	0.84	8.67	56.61	1.31	42.83
1.077	15.3	51.7	0.65	8.66	56.8	1.33	42.83
1.089	15.3	51.7	0.72	8.67	51.47	1.31	42.82
1.119	15.3	51.7	0.84	8.67	57.63	1.35	42.82
1.165	15.3	51.7	0.84	8.66	62.92	1.34	42.82
1.199	15.3	51.7	0.84	8.66	54.98	1.31	42.82
1.202	15.3	51.7	0.76	8.66	54.77	1.38	42.82
1.213	15.3	51.7	0.84	8.66	54.15	1.35	42.82
1.265	15.3	51.69	0.88	8.67	50.57	1.34	42.82
1.322	15.3	51.69	0.8	8.67	59.2	1.32	42.82
1.338	15.29	51.69	0.8	8.65	49.38	1.4	42.82
1.349	15.29	51.69	0.95	8.65	52.32	1.34	42.82
1.401	15.29	51.69	0.76	8.64	50.43	1.38	42.82
1.458	15.29	51.69	0.84	8.62	50.98	1.36	42.82
1.468	15.29	51.69	0.88	8.64	48.02	1.37	42.82
1.489	15.29	51.69	0.88	8.66	41.16	1.36	42.82
1.554	15.29	51.7	0.84	8.67	51.39	1.33	42.83
1.605	15.29	51.69	0.95	8.67	57.35	1.35	42.82
1.606	15.29	51.69	0.8	8.68	41.98	1.37	42.82
1.629	15.29	51.69	0.88	8.67	46.82	1.37	42.82
1.681	15.29	51.7	0.92	8.66	52.43	1.37	42.82
1.731	15.3	51.7	0.88	8.66	49.78	1.35	42.83
1.74	15.3	51.7	0.84	8.65	44.44	1.39	42.82

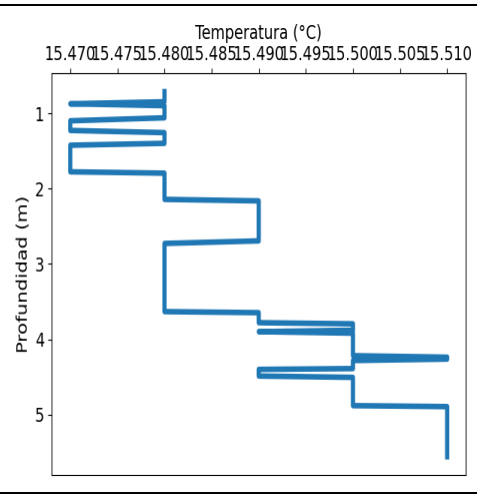
1.766	15.3	51.7	0.88	8.65	45.0	1.39	42.82
1.821	15.3	51.7	0.69	8.65	44.49	1.4	42.82
1.86	15.3	51.7	0.8	8.65	46.32	1.4	42.82
1.866	15.3	51.7	0.8	8.66	45.33	1.43	42.82
1.882	15.3	51.7	0.65	8.67	41.52	1.37	42.82
1.92	15.3	51.7	0.72	8.67	43.22	1.4	42.82
1.955	15.3	51.7	0.69	8.67	45.57	1.4	42.82
1.978	15.3	51.7	1.14	8.68	45.88	1.4	42.82
1.992	15.3	51.7	0.76	8.68	44.36	1.39	42.82
2.009	15.3	51.7	0.92	8.69	42.72	1.38	42.82
2.035	15.3	51.7	0.76	8.69	43.63	1.4	42.82
2.063	15.3	51.7	0.72	8.69	43.54	1.43	42.82
2.087	15.3	51.7	0.76	8.69	42.84	1.43	42.82
2.106	15.3	51.7	0.72	8.69	42.34	1.4	42.82
2.127	15.3	51.7	0.84	8.69	42.66	1.43	42.82
2.154	15.3	51.7	0.76	8.68	41.41	1.42	42.83
2.182	15.3	51.71	0.8	8.68	40.3	1.46	42.83
2.202	15.3	51.71	0.84	8.67	40.68	1.45	42.83
2.222	15.3	51.71	0.92	8.67	40.69	1.42	42.83
2.251	15.31	51.71	0.84	8.66	40.85	1.42	42.83
2.28	15.31	51.72	0.92	8.66	40.96	1.44	42.83
2.302	15.31	51.72	0.99	8.65	40.6	1.4	42.83
2.319	15.31	51.72	0.95	8.65	40.11	1.43	42.83
2.345	15.31	51.72	0.72	8.65	38.98	1.42	42.83
2.38	15.31	51.73	0.92	8.65	38.81	1.53	42.83
2.419	15.32	51.73	0.76	8.66	39.45	1.54	42.83
2.443	15.32	51.73	0.84	8.66	40.24	1.44	42.83
2.448	15.32	51.73	0.72	8.66	38.99	1.42	42.83
2.449	15.32	51.73	0.92	8.67	37.48	1.39	42.83
2.483	15.32	51.73	0.84	8.66	37.17	1.43	42.83
2.543	15.32	51.73	0.88	8.65	39.04	1.46	42.83
2.568	15.32	51.73	0.88	8.63	36.87	1.38	42.82
2.629	15.32	51.73	0.84	8.63	38.68	1.42	42.83
2.699	15.32	51.73	0.84	8.67	36.01	1.46	42.83
2.709	15.32	51.73	0.8	8.68	37.3	1.38	42.83
2.785	15.32	51.72	0.92	8.68	38.51	1.44	42.82
2.839	15.31	51.72	0.8	8.67	36.14	1.47	42.83
2.879	15.31	51.72	0.76	8.67	36.94	1.46	42.83
2.948	15.31	51.72	0.69	8.66	38.0	1.48	42.83
2.973	15.31	51.72	0.92	8.67	36.94	1.44	42.83
2.978	15.31	51.72	0.84	8.68	36.51	1.39	42.82
3.011	15.31	51.72	0.76	8.68	36.0	1.5	42.83
3.049	15.31	51.72	0.92	8.69	36.16	1.43	42.82
3.07	15.31	51.72	0.88	8.68	37.34	1.5	42.82
3.08	15.31	51.72	0.8	8.69	37.97	1.5	42.82
3.099	15.31	51.72	0.84	8.68	37.49	1.57	42.82
3.137	15.31	51.72	0.76	8.68	37.03	1.63	42.82
3.177	15.31	51.71	0.99	8.69	36.37	1.61	42.82
3.201	15.31	51.71	0.84	8.68	36.76	1.56	42.82
3.205	15.31	51.71	0.8	8.66	37.66	1.43	42.82
3.222	15.31	51.71	0.84	8.65	37.56	1.57	42.82
3.271	15.31	51.71	0.76	8.65	37.86	1.63	42.82
3.328	15.31	51.72	0.88	8.65	37.53	1.57	42.83
3.338	15.31	51.72	0.8	8.65	37.41	1.5	42.83
3.346	15.31	51.71	0.84	8.65	38.22	1.46	42.82
3.394	15.31	51.71	0.8	8.65	38.77	1.53	42.82
3.452	15.31	51.71	0.88	8.65	38.49	1.47	42.82
3.474	15.31	51.71	1.22	8.67	37.87	1.49	42.82

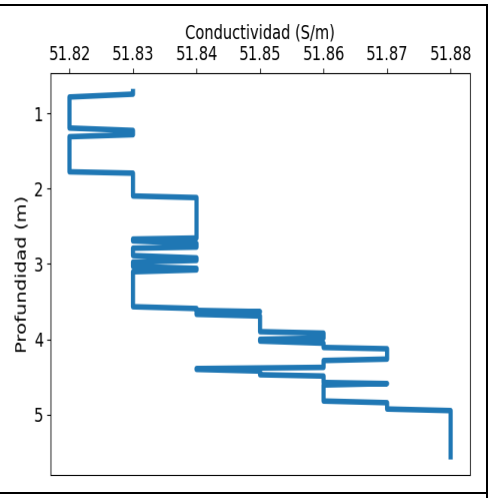
3.483	15.31	51.71	0.92	8.68	38.74	1.47	42.82
3.532	15.31	51.71	0.92	8.69	39.17	1.59	42.82
3.582	15.31	51.71	0.88	8.69	38.22	1.52	42.82
3.603	15.31	51.71	0.76	8.68	37.1	1.56	42.82
3.608	15.31	51.71	0.72	8.68	37.92	1.6	42.82
3.626	15.31	51.71	0.8	8.67	38.82	1.75	42.82
3.647	15.31	51.71	0.69	8.67	38.05	1.69	42.82
3.668	15.31	51.71	0.99	8.66	37.41	1.79	42.82
3.693	15.31	51.71	0.8	8.66	37.53	1.72	42.82
3.726	15.31	51.71	0.76	8.66	37.99	1.79	42.82
3.753	15.31	51.71	1.03	8.66	37.8	1.71	42.83
3.76	15.31	51.71	0.84	8.66	37.42	1.73	42.82
3.761	15.31	51.71	0.76	8.66	37.6	1.68	42.82
3.778	15.31	51.71	0.8	8.66	38.04	1.69	42.82
3.82	15.31	51.71	0.76	8.67	38.04	1.69	42.82
3.868	15.31	51.71	0.69	8.67	38.04	1.72	42.82
3.889	15.3	51.7	0.99	8.68	37.54	1.53	42.82
3.905	15.3	51.7	0.92	8.68	37.98	1.51	42.82
3.95	15.3	51.7	0.65	8.67	38.07	1.63	42.82
3.997	15.3	51.7	1.03	8.67	37.93	1.63	42.82
4.011	15.3	51.7	0.8	8.65	37.62	1.56	42.82
4.012	15.3	51.7	0.88	8.64	37.82	1.51	42.82
4.047	15.3	51.7	0.8	8.64	38.18	1.66	42.82
4.092	15.3	51.7	0.88	8.64	37.96	1.69	42.82
4.118	15.3	51.7	0.8	8.64	37.62	1.59	42.82
4.122	15.3	51.7	0.88	8.64	36.94	1.54	42.82
4.126	15.3	51.7	0.84	8.64	37.07	1.56	42.82
4.147	15.3	51.7	0.76	8.65	37.75	1.65	42.82
4.184	15.3	51.7	0.84	8.65	38.14	1.73	42.83
4.223	15.3	51.7	0.8	8.66	37.87	1.62	42.82
4.244	15.3	51.7	0.8	8.66	37.25	1.65	42.83
4.247	15.3	51.71	0.95	8.66	36.88	1.63	42.82
4.254	15.3	51.7	0.92	8.67	37.2	1.63	42.82
4.281	15.3	51.71	0.84	8.67	37.37	1.75	42.82
4.317	15.3	51.71	0.84	8.67	37.33	1.63	42.82
4.348	15.3	51.71	0.84	8.67	37.15	1.69	42.82
4.367	15.3	51.71	0.72	8.68	37.03	1.67	42.83
4.373	15.3	51.71	0.8	8.69	37.02	1.56	42.83
4.385	15.31	51.71	0.92	8.69	36.91	1.6	42.83
4.415	15.31	51.72	0.88	8.7	36.9	1.72	42.83
4.453	15.31	51.72	0.92	8.7	36.97	1.74	42.83
4.474	15.31	51.73	0.76	8.7	36.98	1.69	42.84
4.477	15.31	51.73	0.8	8.69	36.52	1.67	42.84
4.486	15.32	51.73	0.88	8.69	36.5	1.56	42.83
4.519	15.32	51.74	0.88	8.68	36.36	1.72	42.84
4.567	15.32	51.75	0.84	8.66	36.4	1.66	42.84
4.587	15.33	51.76	0.84	8.65	36.42	1.53	42.84
4.607	15.33	51.75	0.72	8.66	36.18	1.6	42.84
4.654	15.33	51.76	0.8	8.66	35.99	1.69	42.84
4.694	15.33	51.76	0.76	8.65	36.21	1.59	42.84
4.709	15.33	51.77	0.88	8.64	36.13	1.5	42.85
4.714	15.33	51.77	0.92	8.62	35.74	1.5	42.84
4.734	15.34	51.77	0.88	8.61	35.8	1.62	42.84
4.77	15.34	51.77	0.72	8.59	35.87	1.67	42.84
4.811	15.33	51.77	0.88	8.57	35.92	1.59	42.85
4.829	15.34	51.77	0.88	8.55	35.39	1.5	42.85
4.847	15.34	51.77	0.69	8.55	35.28	1.63	42.85
4.894	15.34	51.78	0.92	8.55	35.42	1.59	42.85

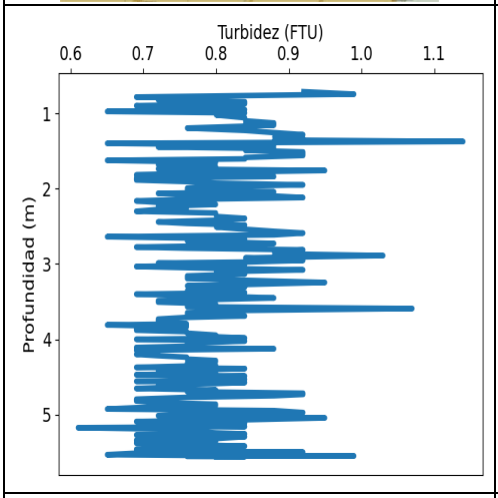
4.943	15.34	51.78	0.65	8.55	35.45	1.43	42.85
4.953	15.34	51.78	0.99	8.54	34.97	1.32	42.85
4.982	15.34	51.78	0.76	8.54	34.81	1.48	42.85
5.028	15.34	51.78	0.76	8.53	34.76	1.55	42.85
5.066	15.34	51.78	0.84	8.53	34.97	1.37	42.85
5.075	15.34	51.78	0.76	8.53	34.57	1.48	42.85
5.104	15.34	51.78	0.76	8.54	34.33	1.52	42.85
5.148	15.34	51.78	0.88	8.55	34.29	1.5	42.85
5.182	15.34	51.78	0.92	8.55	34.64	1.31	42.85
5.186	15.34	51.78	0.84	8.54	34.34	1.38	42.85
5.192	15.34	51.78	0.88	8.53	34.26	1.46	42.85
5.227	15.34	51.78	0.72	8.52	34.17	1.57	42.85
5.275	15.34	51.78	0.84	8.52	33.98	1.53	42.85
5.295	15.34	51.78	0.88	8.52	34.06	1.46	42.85
5.313	15.34	51.78	0.88	8.52	34.02	1.53	42.85
5.357	15.34	51.78	0.88	8.52	33.83	1.51	42.85
5.4	15.34	51.78	0.69	8.53	33.72	1.42	42.85
5.413	15.34	51.78	0.72	8.54	33.79	1.4	42.85
5.415	15.34	51.78	0.84	8.55	33.71	1.42	42.85
5.443	15.34	51.78	0.8	8.55	33.52	1.53	42.85
5.483	15.34	51.78	0.95	8.55	33.33	1.55	42.85
5.511	15.34	51.78	0.88	8.54	33.38	1.51	42.85
5.522	15.34	51.78	0.84	8.53	33.37	1.45	42.85
5.524	15.34	51.78	0.61	8.53	33.32	1.46	42.85
5.534	15.34	51.78	0.65	8.53	33.31	1.54	42.85
5.555	15.34	51.78	0.76	8.53	33.15	1.62	42.85
5.582	15.34	51.78	0.76	8.53	33.03	1.65	42.85
5.608	15.34	51.78	0.84	8.54	32.97	1.65	42.85
5.628	15.34	51.78	0.8	8.54	32.89	1.52	42.85
5.645	15.34	51.78	0.8	8.54	32.77	1.49	42.85
5.66	15.34	51.78	0.84	8.54	32.73	1.53	42.85
5.668	15.34	51.78	0.76	8.53	32.79	1.48	42.85
5.678	15.34	51.78	0.76	8.53	32.68	1.57	42.85
5.702	15.34	51.78	0.88	8.53	32.47	1.57	42.85
5.74	15.34	51.78	0.99	8.53	32.34	1.56	42.85
5.77	15.34	51.78	0.84	8.53	32.14	1.53	42.85
5.771	15.34	51.78	0.8	8.53	32.32	1.41	42.85
5.777	15.34	51.78	0.84	8.53	32.24	1.45	42.85
5.814	15.34	51.78	0.88	8.54	31.9	1.55	42.85
5.864	15.34	51.79	0.92	8.53	32.03	1.59	42.85
5.881	15.35	51.78	0.84	8.53	31.8	1.44	42.85
5.936	15.34	51.79	0.84	8.52	31.47	1.47	42.85
5.961	15.34	51.79	0.84	8.53	31.64	1.41	42.85
6.005	15.34	51.79	0.8	8.53	31.18	1.43	42.85
6.042	15.35	51.79	0.95	8.53	31.31	1.48	42.85
6.06	15.35	51.79	0.61	8.53	31.08	1.39	42.85
6.077	15.35	51.79	0.8	8.53	31.28	1.35	42.85
6.085	15.35	51.79	0.92	8.53	30.98	1.31	42.85
6.087	15.35	51.79	0.76	8.53	30.7	1.29	42.85

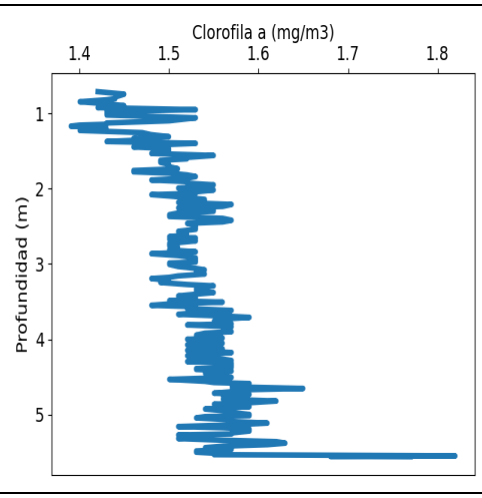
Nombre: CTD E02 - Punto 003 **Fecha: 24/02/2025** **Hora: 08:02:27**

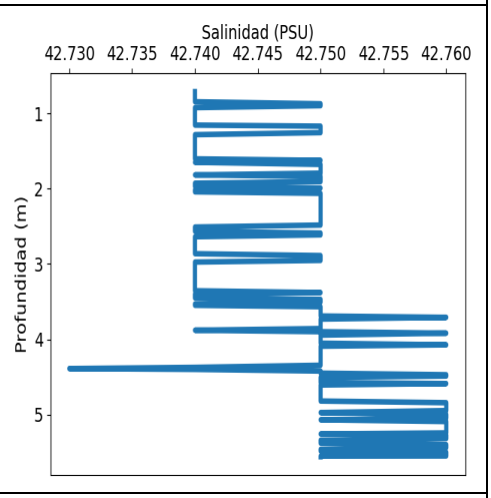


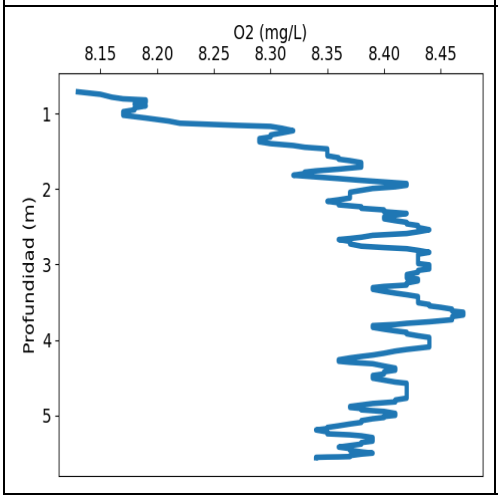


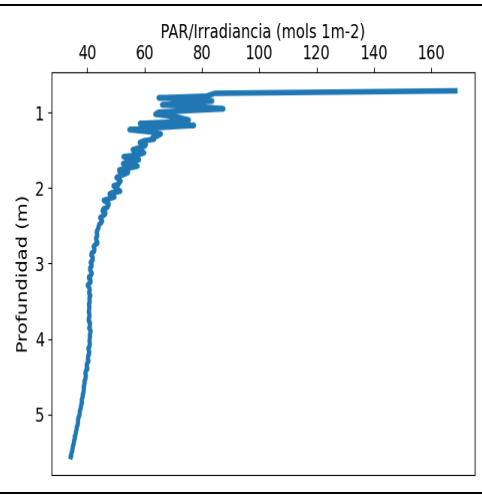












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.47	51.82	0.61	8.13	34.22	1.39	42.73
PROF (metros)	0.874	0.784	5.174	0.713	5.551	1.171	4.389
MÁXIMO	15.51	15.51	1.14	8.47	168.43	1.82	42.76
PROF (metros)	4.238	4.947	1.375	3.633	0.713	5.549	3.709

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E02 - Punto 003	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.48	51.82	0.8	8.17	83.77	1.44	42.74
1 - 2m	15.47	51.82	0.83	8.33	58.2	1.49	42.74
2 - 3m	15.49	51.84	0.81	8.4	44.81	1.52	42.75
3 - 4m	15.49	51.84	0.79	8.43	40.85	1.53	42.75
4 - 5m	15.5	51.86	0.77	8.4	39.31	1.56	42.75
5 - 6m	15.51	51.88	0.78	8.37	35.54	1.6	42.76

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)
0.713	15.48	51.83	0.92	8.13	168.43	1.42	42.74
0.746	15.48	51.83	0.99	8.15	84.56	1.45	42.74
0.784	15.48	51.82	0.69	8.16	81.44	1.44	42.74
0.806	15.48	51.82	0.8	8.17	64.86	1.44	42.74
0.821	15.48	51.82	0.72	8.19	74.11	1.43	42.74
0.847	15.48	51.82	0.84	8.19	83.62	1.4	42.74
0.874	15.47	51.82	0.84	8.18	75.01	1.43	42.75
0.899	15.48	51.82	0.69	8.19	66.08	1.45	42.75
0.925	15.48	51.82	0.72	8.18	80.06	1.42	42.74
0.952	15.48	51.82	0.84	8.18	87.49	1.53	42.74
0.976	15.48	51.82	0.65	8.17	74.61	1.43	42.74
0.996	15.48	51.82	0.84	8.17	64.91	1.43	42.74
1.023	15.48	51.82	0.8	8.17	63.72	1.43	42.74
1.06	15.48	51.82	0.84	8.19	71.35	1.53	42.74
1.1	15.47	51.82	0.84	8.21	75.48	1.5	42.74
1.129	15.47	51.82	0.88	8.22	67.55	1.43	42.74
1.146	15.47	51.82	0.84	8.25	58.37	1.43	42.74
1.157	15.47	51.82	0.88	8.27	65.12	1.4	42.74
1.171	15.47	51.82	0.84	8.3	77.27	1.39	42.75
1.196	15.47	51.82	0.76	8.31	66.36	1.43	42.75
1.228	15.47	51.83	0.84	8.32	54.69	1.4	42.75
1.257	15.48	51.83	0.88	8.31	62.08	1.47	42.75
1.284	15.48	51.83	0.92	8.3	65.71	1.48	42.74
1.311	15.48	51.82	0.88	8.3	64.48	1.5	42.74
1.333	15.48	51.82	0.92	8.29	62.75	1.46	42.74
1.354	15.48	51.82	0.88	8.29	63.35	1.47	42.74
1.375	15.48	51.82	1.14	8.29	59.77	1.43	42.74
1.399	15.48	51.82	0.65	8.3	58.28	1.53	42.74
1.424	15.47	51.82	0.88	8.32	60.51	1.48	42.74
1.447	15.47	51.82	0.72	8.33	59.98	1.46	42.74
1.469	15.47	51.82	0.88	8.35	58.06	1.5	42.74
1.492	15.47	51.82	0.84	8.35	55.82	1.5	42.74
1.513	15.47	51.82	0.92	8.35	56.35	1.5	42.74
1.533	15.47	51.82	0.92	8.35	59.89	1.48	42.74
1.56	15.47	51.82	0.92	8.35	57.78	1.55	42.74
1.586	15.47	51.82	0.84	8.36	52.64	1.52	42.74

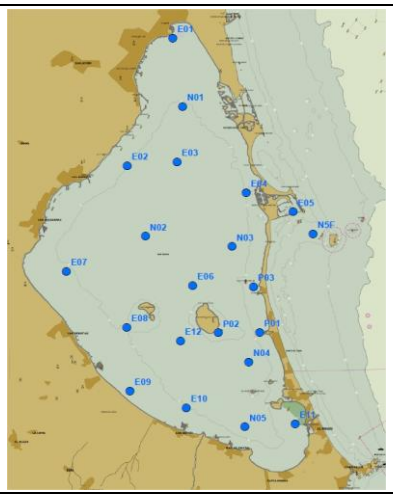
1.605	15.47	51.82	0.84	8.36	55.59	1.52	42.74
1.625	15.47	51.82	0.65	8.37	58.09	1.49	42.75
1.651	15.47	51.82	0.8	8.38	54.02	1.49	42.74
1.679	15.47	51.82	0.72	8.38	52.43	1.5	42.75
1.709	15.47	51.82	0.8	8.38	57.59	1.5	42.75
1.737	15.47	51.82	0.72	8.36	54.48	1.51	42.75
1.76	15.47	51.82	0.95	8.34	51.14	1.46	42.75
1.777	15.47	51.82	0.84	8.33	51.18	1.46	42.75
1.795	15.48	51.83	0.76	8.33	54.28	1.5	42.75
1.818	15.48	51.83	0.69	8.32	52.95	1.52	42.74
1.84	15.48	51.83	0.88	8.34	51.27	1.53	42.75
1.862	15.48	51.83	0.69	8.36	50.16	1.52	42.75
1.886	15.48	51.83	0.69	8.38	51.05	1.48	42.75
1.907	15.48	51.83	0.76	8.4	51.67	1.52	42.75
1.928	15.48	51.83	0.8	8.42	51.27	1.52	42.74
1.95	15.48	51.83	0.92	8.42	50.9	1.55	42.74
1.971	15.48	51.83	0.8	8.41	49.13	1.54	42.74
1.993	15.48	51.83	0.76	8.39	49.77	1.51	42.75
2.018	15.48	51.83	0.76	8.38	50.68	1.55	42.74
2.043	15.48	51.83	0.88	8.37	51.53	1.53	42.74
2.063	15.48	51.83	0.72	8.37	48.55	1.53	42.75
2.08	15.48	51.83	0.76	8.37	47.77	1.48	42.75
2.098	15.48	51.83	0.88	8.37	48.83	1.5	42.75
2.119	15.48	51.84	0.92	8.37	49.53	1.52	42.75
2.143	15.48	51.84	0.76	8.36	47.61	1.54	42.75
2.163	15.49	51.84	0.69	8.35	45.73	1.54	42.75
2.183	15.49	51.84	0.72	8.36	46.54	1.51	42.75
2.21	15.49	51.84	0.8	8.36	47.49	1.57	42.75
2.236	15.49	51.84	0.72	8.38	47.35	1.56	42.75
2.256	15.49	51.84	0.76	8.38	47.05	1.51	42.75
2.277	15.49	51.84	0.72	8.4	45.65	1.55	42.75
2.301	15.49	51.84	0.69	8.4	45.32	1.55	42.75
2.324	15.49	51.84	0.8	8.42	46.31	1.51	42.75
2.347	15.49	51.84	0.8	8.41	46.26	1.5	42.75
2.37	15.49	51.84	0.8	8.4	45.33	1.5	42.75
2.395	15.49	51.84	0.84	8.4	44.47	1.56	42.75
2.42	15.49	51.84	0.8	8.41	45.05	1.57	42.75
2.442	15.49	51.84	0.72	8.42	45.19	1.56	42.75
2.462	15.49	51.84	0.76	8.42	44.81	1.52	42.75
2.484	15.49	51.84	0.84	8.43	44.15	1.53	42.75
2.51	15.49	51.84	0.8	8.43	43.98	1.53	42.74
2.54	15.49	51.84	0.84	8.44	43.81	1.53	42.74
2.567	15.49	51.84	0.88	8.43	43.4	1.51	42.74
2.59	15.49	51.84	0.92	8.42	43.27	1.52	42.75
2.614	15.49	51.84	0.88	8.39	43.45	1.52	42.75
2.639	15.49	51.84	0.65	8.38	43.48	1.5	42.74
2.656	15.49	51.84	0.76	8.37	43.13	1.53	42.74
2.67	15.49	51.83	0.84	8.36	43.06	1.5	42.74
2.694	15.49	51.83	0.76	8.37	43.21	1.53	42.74
2.728	15.48	51.84	0.88	8.37	43.58	1.5	42.74
2.758	15.48	51.84	0.8	8.38	42.58	1.5	42.74
2.776	15.48	51.84	0.69	8.4	42.23	1.51	42.74
2.791	15.48	51.83	0.76	8.42	42.43	1.51	42.74
2.813	15.48	51.83	0.92	8.43	42.53	1.5	42.74
2.839	15.48	51.83	0.88	8.44	42.39	1.53	42.74
2.864	15.48	51.83	0.88	8.43	41.53	1.48	42.74
2.889	15.48	51.83	1.03	8.43	41.41	1.51	42.75
2.92	15.48	51.84	0.84	8.43	41.92	1.53	42.75

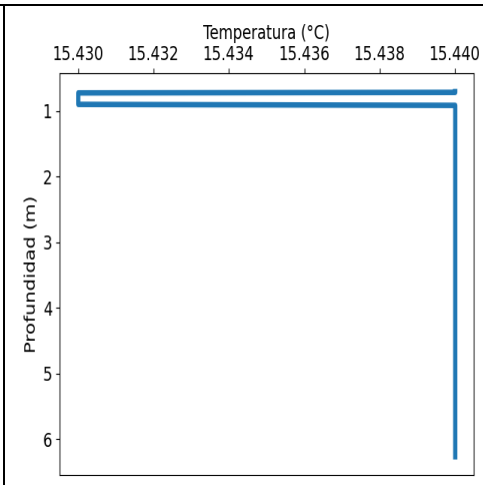
2.953	15.48	51.84	0.92	8.43	41.92	1.53	42.75
2.975	15.48	51.83	0.84	8.43	41.31	1.53	42.74
2.988	15.48	51.83	0.72	8.43	41.17	1.5	42.74
3.006	15.48	51.83	0.84	8.44	41.57	1.5	42.74
3.034	15.48	51.83	0.69	8.44	41.55	1.51	42.74
3.059	15.48	51.84	0.8	8.44	41.0	1.53	42.74
3.079	15.48	51.84	0.92	8.43	41.0	1.54	42.74
3.104	15.48	51.83	0.8	8.43	41.21	1.53	42.74
3.134	15.48	51.83	0.84	8.42	41.62	1.54	42.74
3.159	15.48	51.83	0.76	8.42	41.2	1.51	42.74
3.178	15.48	51.83	0.76	8.42	40.59	1.5	42.74
3.194	15.48	51.83	0.76	8.43	40.61	1.48	42.74
3.217	15.48	51.83	0.84	8.43	41.14	1.5	42.74
3.246	15.48	51.83	0.95	8.42	41.18	1.49	42.74
3.273	15.48	51.83	0.84	8.42	40.44	1.52	42.74
3.291	15.48	51.83	0.76	8.4	40.14	1.55	42.74
3.307	15.48	51.83	0.84	8.39	40.47	1.54	42.74
3.329	15.48	51.83	0.8	8.39	40.77	1.53	42.74
3.356	15.48	51.83	0.76	8.4	40.88	1.53	42.74
3.38	15.48	51.83	0.84	8.41	40.66	1.55	42.75
3.401	15.48	51.83	0.69	8.42	40.69	1.53	42.74
3.425	15.48	51.83	0.8	8.43	41.11	1.51	42.74
3.452	15.48	51.83	0.88	8.43	40.8	1.53	42.74
3.471	15.48	51.83	0.8	8.43	40.77	1.53	42.75
3.487	15.48	51.83	0.72	8.43	40.77	1.5	42.75
3.507	15.48	51.83	0.72	8.43	40.9	1.56	42.75
3.531	15.48	51.83	0.8	8.44	40.63	1.5	42.74
3.549	15.48	51.83	0.76	8.44	40.6	1.48	42.74
3.568	15.48	51.83	0.76	8.45	40.76	1.53	42.75
3.592	15.48	51.84	1.07	8.46	40.69	1.52	42.75
3.617	15.48	51.84	0.84	8.46	40.6	1.57	42.75
3.633	15.48	51.85	0.8	8.47	40.57	1.56	42.75
3.647	15.49	51.84	0.76	8.47	40.54	1.53	42.75
3.669	15.49	51.84	0.76	8.47	40.75	1.51	42.75
3.691	15.49	51.85	0.84	8.46	40.76	1.56	42.75
3.709	15.49	51.85	0.76	8.46	40.74	1.59	42.76
3.732	15.49	51.85	0.72	8.46	40.51	1.56	42.75
3.759	15.49	51.85	0.72	8.44	40.5	1.55	42.75
3.78	15.49	51.85	0.72	8.42	40.89	1.56	42.75
3.795	15.5	51.85	0.76	8.41	41.01	1.57	42.75
3.81	15.5	51.85	0.65	8.39	40.91	1.52	42.75
3.833	15.5	51.85	0.76	8.39	40.87	1.57	42.75
3.858	15.5	51.85	0.69	8.4	40.66	1.56	42.75
3.88	15.5	51.85	0.69	8.41	41.06	1.56	42.74
3.899	15.49	51.85	0.76	8.42	41.2	1.57	42.75
3.919	15.5	51.86	0.76	8.42	41.06	1.54	42.76
3.945	15.5	51.86	0.8	8.43	40.9	1.53	42.75
3.967	15.5	51.86	0.8	8.44	40.98	1.54	42.75
3.984	15.5	51.86	0.84	8.44	40.92	1.56	42.75
4.0	15.5	51.85	0.69	8.44	40.85	1.52	42.75
4.024	15.5	51.85	0.84	8.44	40.76	1.55	42.75
4.052	15.5	51.86	0.76	8.44	40.9	1.56	42.75
4.074	15.5	51.86	0.76	8.44	40.9	1.52	42.76
4.092	15.5	51.86	0.76	8.44	40.78	1.53	42.75
4.109	15.5	51.86	0.69	8.43	40.68	1.53	42.75
4.126	15.5	51.87	0.88	8.42	40.36	1.56	42.75
4.147	15.5	51.87	0.69	8.41	40.49	1.52	42.75
4.176	15.5	51.87	0.72	8.4	40.74	1.57	42.75

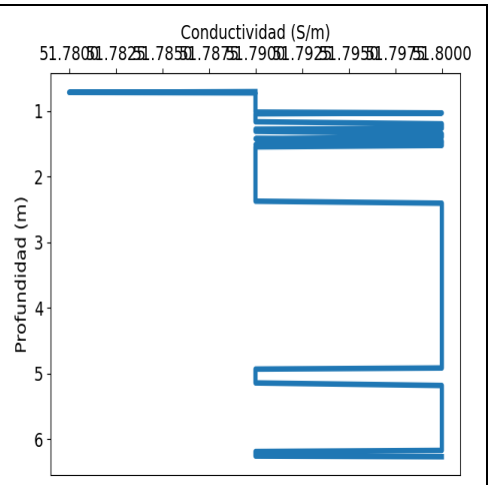
4.2	15.5	51.87	0.69	8.39	40.64	1.54	42.75
4.218	15.5	51.87	0.72	8.38	40.34	1.52	42.75
4.238	15.51	51.87	0.76	8.37	40.3	1.53	42.75
4.263	15.51	51.87	0.76	8.36	40.19	1.56	42.75
4.282	15.5	51.86	0.8	8.36	40.41	1.57	42.75
4.296	15.5	51.86	0.8	8.37	40.44	1.52	42.75
4.315	15.5	51.86	0.76	8.39	40.07	1.57	42.75
4.345	15.5	51.86	0.8	8.4	39.79	1.57	42.75
4.373	15.5	51.86	0.69	8.41	39.88	1.57	42.74
4.389	15.5	51.84	0.84	8.41	40.07	1.53	42.73
4.4	15.49	51.84	0.8	8.41	40.01	1.53	42.74
4.422	15.49	51.85	0.72	8.4	39.53	1.57	42.75
4.45	15.49	51.85	0.8	8.4	39.32	1.54	42.75
4.471	15.49	51.85	0.69	8.39	39.45	1.56	42.76
4.488	15.49	51.86	0.84	8.39	39.54	1.56	42.76
4.506	15.5	51.86	0.76	8.39	39.47	1.57	42.75
4.532	15.5	51.86	0.84	8.4	39.34	1.5	42.75
4.558	15.5	51.86	0.69	8.41	39.03	1.54	42.75
4.574	15.5	51.86	0.84	8.42	39.05	1.55	42.75
4.588	15.5	51.87	0.8	8.42	39.04	1.59	42.76
4.607	15.5	51.86	0.72	8.42	38.96	1.57	42.75
4.631	15.5	51.86	0.76	8.42	38.77	1.57	42.75
4.653	15.5	51.86	0.69	8.42	38.84	1.65	42.75
4.674	15.5	51.86	0.8	8.42	38.78	1.57	42.75
4.696	15.5	51.86	0.76	8.42	38.71	1.57	42.75
4.716	15.5	51.86	0.92	8.42	38.66	1.55	42.75
4.732	15.5	51.86	0.92	8.42	38.43	1.59	42.75
4.75	15.5	51.86	0.88	8.42	38.45	1.56	42.75
4.771	15.5	51.86	0.76	8.42	38.37	1.57	42.75
4.795	15.5	51.86	0.69	8.41	38.14	1.56	42.75
4.82	15.5	51.86	0.69	8.41	38.07	1.62	42.75
4.842	15.5	51.87	0.72	8.39	38.19	1.59	42.76
4.862	15.5	51.87	0.8	8.38	38.01	1.55	42.76
4.881	15.5	51.87	0.8	8.37	37.84	1.57	42.76
4.894	15.51	51.87	0.76	8.37	37.82	1.59	42.76
4.908	15.51	51.87	0.69	8.38	37.81	1.57	42.76
4.926	15.51	51.87	0.65	8.38	37.67	1.54	42.76
4.947	15.51	51.88	0.88	8.4	37.48	1.56	42.76
4.973	15.51	51.88	0.92	8.41	37.38	1.57	42.75
4.998	15.51	51.88	0.76	8.41	37.33	1.59	42.76
5.014	15.51	51.88	0.72	8.4	37.26	1.59	42.76
5.027	15.51	51.88	0.8	8.4	37.15	1.54	42.76
5.044	15.51	51.88	0.95	8.39	36.95	1.53	42.76
5.069	15.51	51.88	0.84	8.38	36.77	1.57	42.75
5.092	15.51	51.88	0.69	8.38	36.79	1.57	42.76
5.113	15.51	51.88	0.84	8.37	36.76	1.61	42.76
5.137	15.51	51.88	0.72	8.36	36.67	1.57	42.76
5.159	15.51	51.88	0.84	8.35	36.4	1.51	42.76
5.174	15.51	51.88	0.61	8.35	36.33	1.56	42.76
5.192	15.51	51.88	0.72	8.34	36.33	1.59	42.76
5.218	15.51	51.88	0.76	8.35	36.12	1.59	42.76
5.243	15.51	51.88	0.8	8.35	36.01	1.57	42.76
5.257	15.51	51.88	0.84	8.37	35.96	1.57	42.75
5.27	15.51	51.88	0.69	8.38	35.91	1.51	42.76
5.293	15.51	51.88	0.84	8.39	35.6	1.54	42.76
5.318	15.51	51.88	0.8	8.39	35.67	1.51	42.76
5.34	15.51	51.88	0.69	8.39	35.47	1.56	42.75
5.359	15.51	51.88	0.8	8.38	35.38	1.62	42.75

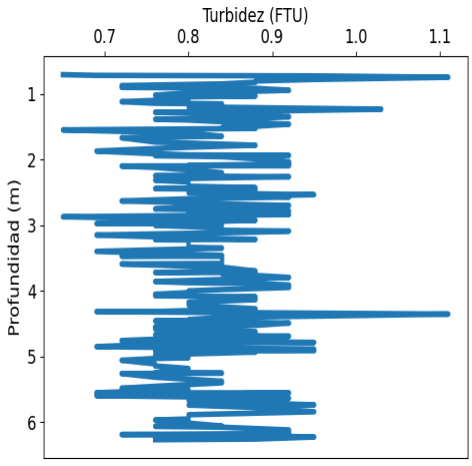
5.379	15.51	51.88	0.69	8.38	35.28	1.63	42.75
5.399	15.51	51.88	0.76	8.37	35.22	1.61	42.76
5.419	15.51	51.88	0.84	8.36	35.0	1.56	42.76
5.439	15.51	51.88	0.72	8.37	34.94	1.54	42.76
5.461	15.51	51.88	0.69	8.37	34.8	1.57	42.75
5.483	15.51	51.88	0.72	8.38	34.79	1.53	42.75
5.499	15.51	51.88	0.92	8.39	34.64	1.53	42.76
5.512	15.51	51.88	0.69	8.38	34.5	1.55	42.76
5.532	15.51	51.88	0.65	8.37	34.43	1.55	42.76
5.545	15.51	51.88	0.8	8.37	34.43	1.78	42.76
5.549	15.51	51.88	0.99	8.36	34.36	1.82	42.76
5.551	15.51	51.88	0.76	8.35	34.22	1.73	42.75
5.555	15.51	51.88	0.76	8.34	34.29	1.68	42.75
5.558	15.51	51.88	0.84	8.34	34.25	1.75	42.75
5.559	15.51	51.88	0.8	8.34	34.27	1.77	42.75

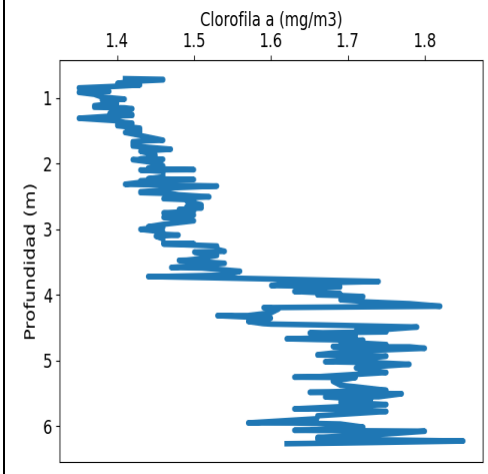
Nombre: CTD E03 - Punto 004 **Fecha: 24/02/2025** **Hora: 08:02:10**

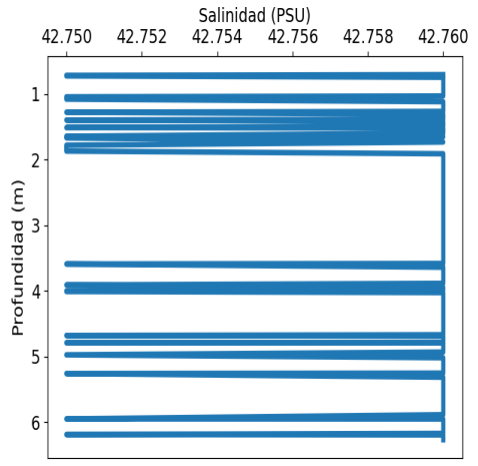


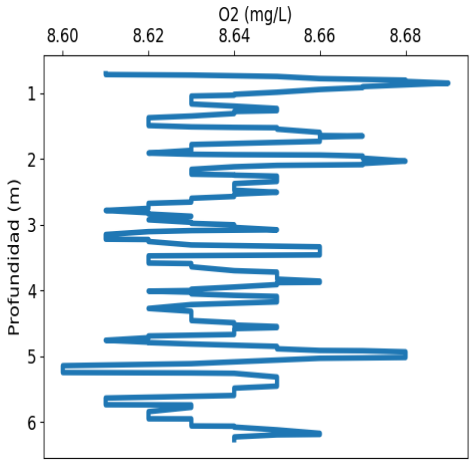


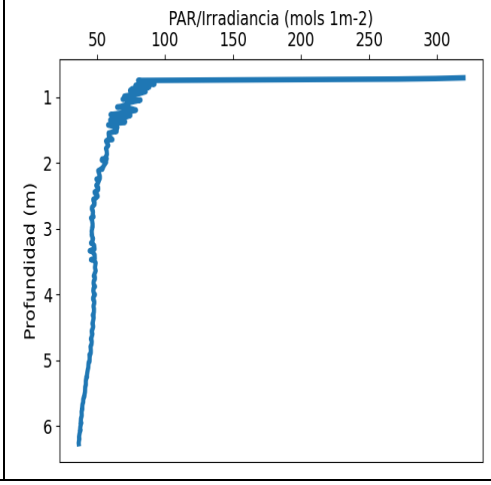












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.43	51.78	0.65	8.6	36.42	1.35	42.75
PROF (metros)	0.723	0.715	0.704	5.145	6.26	0.845	0.715
MÁXIMO	15.44	15.44	1.11	8.69	319.33	1.85	42.76
PROF (metros)	0.704	1.029	0.744	0.845	0.704	6.229	0.704

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E03 - Punto 004	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.43	51.79	0.85	8.66	130.98	1.4	42.76
1 - 2m	15.44	51.79	0.82	8.64	63.7	1.42	42.76
2 - 3m	15.44	51.8	0.82	8.64	49.23	1.47	42.76
3 - 4m	15.44	51.8	0.82	8.64	47.27	1.54	42.76
4 - 5m	15.44	51.8	0.83	8.64	46.41	1.68	42.76
5 - 6m	15.44	51.8	0.8	8.63	40.83	1.7	42.76
6 - 7m	15.44	51.8	0.84	8.64	37.04	1.7	42.76

OBSERVACIONES GENERALES

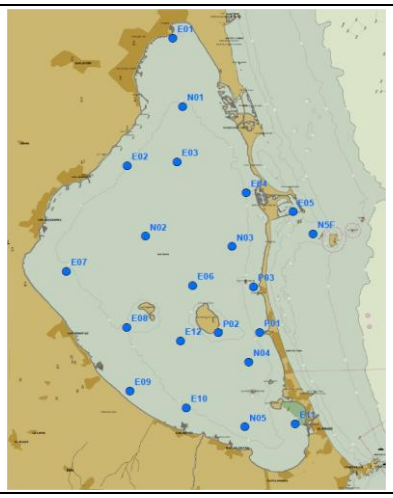
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.704	15.44	51.79	0.65	8.61	319.33	1.41	42.76
0.715	15.44	51.78	0.69	8.61	298.85	1.46	42.75
0.723	15.43	51.79	0.95	8.63	271.06	1.46	42.75
0.744	15.43	51.79	1.11	8.65	80.06	1.42	42.76
0.777	15.43	51.79	0.95	8.66	88.18	1.4	42.76
0.8	15.43	51.79	0.88	8.68	92.17	1.43	42.76
0.82	15.43	51.79	0.88	8.68	78.12	1.4	42.76
0.845	15.43	51.79	0.84	8.69	88.32	1.35	42.76
0.871	15.43	51.79	0.72	8.68	75.64	1.37	42.76
0.898	15.43	51.79	0.72	8.67	74.13	1.39	42.76
0.913	15.44	51.79	0.88	8.67	85.74	1.35	42.76
0.942	15.44	51.79	0.92	8.66	81.25	1.37	42.76
0.984	15.44	51.79	0.8	8.65	69.94	1.38	42.76
1.016	15.44	51.79	0.76	8.64	70.02	1.41	42.76
1.029	15.44	51.8	0.88	8.64	68.7	1.38	42.76
1.042	15.44	51.79	0.8	8.63	81.92	1.39	42.75
1.077	15.44	51.79	0.8	8.63	74.22	1.4	42.75
1.116	15.44	51.79	0.72	8.63	71.1	1.37	42.76
1.14	15.44	51.79	0.76	8.63	67.33	1.37	42.76
1.149	15.44	51.79	0.84	8.63	64.68	1.41	42.76
1.163	15.44	51.79	0.84	8.63	73.1	1.42	42.76
1.195	15.44	51.8	0.8	8.64	78.6	1.4	42.76
1.231	15.44	51.8	1.03	8.65	71.36	1.39	42.76
1.253	15.44	51.8	0.92	8.65	63.94	1.42	42.76
1.264	15.44	51.8	0.88	8.65	59.82	1.42	42.76
1.277	15.44	51.79	0.76	8.64	74.46	1.39	42.75
1.308	15.44	51.79	0.84	8.64	69.83	1.35	42.76
1.346	15.44	51.8	0.92	8.63	59.55	1.4	42.76
1.372	15.44	51.8	0.88	8.62	70.64	1.41	42.76
1.384	15.44	51.8	0.76	8.62	70.25	1.42	42.76
1.396	15.44	51.8	0.8	8.62	62.72	1.4	42.75
1.421	15.44	51.79	0.84	8.62	58.05	1.4	42.76
1.459	15.44	51.8	0.92	8.62	64.91	1.43	42.76
1.491	15.44	51.8	0.88	8.62	64.12	1.43	42.76
1.511	15.44	51.79	0.84	8.63	63.13	1.43	42.75

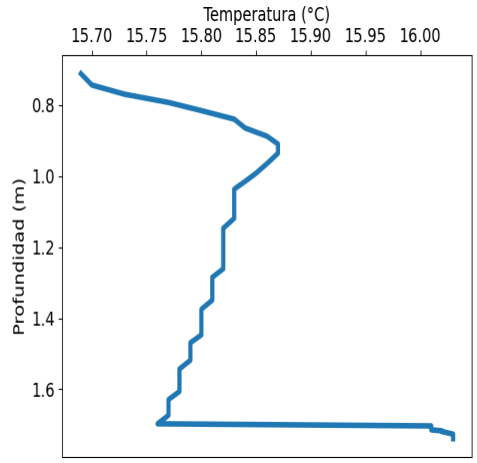
1.519	15.44	51.8	0.88	8.64	64.37	1.43	42.76
1.524	15.44	51.8	0.88	8.65	62.42	1.41	42.76
1.546	15.44	51.79	0.65	8.65	58.41	1.42	42.76
1.595	15.44	51.79	0.8	8.66	58.63	1.44	42.76
1.643	15.44	51.79	0.84	8.66	61.27	1.46	42.75
1.65	15.44	51.79	0.8	8.67	57.59	1.44	42.76
1.666	15.44	51.79	0.72	8.66	56.51	1.42	42.75
1.731	15.44	51.79	0.76	8.66	58.22	1.42	42.76
1.78	15.44	51.79	0.88	8.63	56.46	1.47	42.75
1.81	15.44	51.79	0.8	8.63	57.0	1.43	42.75
1.869	15.44	51.79	0.69	8.63	57.23	1.45	42.75
1.91	15.44	51.79	0.76	8.62	56.27	1.45	42.76
1.928	15.44	51.79	0.8	8.63	56.93	1.43	42.76
1.934	15.44	51.79	0.92	8.64	57.08	1.46	42.76
1.939	15.44	51.79	0.76	8.66	53.64	1.42	42.76
1.955	15.44	51.79	0.84	8.67	53.35	1.43	42.76
1.987	15.44	51.79	0.88	8.67	56.64	1.45	42.76
2.032	15.44	51.79	0.92	8.68	55.14	1.46	42.76
2.068	15.44	51.79	0.92	8.67	54.31	1.44	42.76
2.086	15.44	51.79	0.8	8.67	53.23	1.47	42.76
2.092	15.44	51.79	0.92	8.66	53.91	1.5	42.76
2.097	15.44	51.79	0.72	8.65	52.71	1.43	42.76
2.118	15.44	51.79	0.76	8.64	50.79	1.46	42.76
2.157	15.44	51.79	0.8	8.63	51.34	1.46	42.76
2.2	15.44	51.79	0.84	8.63	51.98	1.46	42.76
2.231	15.44	51.79	0.84	8.63	52.02	1.44	42.76
2.242	15.44	51.79	0.8	8.64	49.95	1.5	42.76
2.246	15.44	51.79	0.76	8.64	49.45	1.46	42.76
2.261	15.44	51.79	0.92	8.65	51.46	1.43	42.76
2.286	15.44	51.79	0.8	8.65	50.94	1.43	42.76
2.314	15.44	51.79	0.76	8.65	50.45	1.41	42.76
2.341	15.44	51.79	0.8	8.65	49.32	1.53	42.76
2.374	15.44	51.79	0.8	8.64	50.77	1.46	42.76
2.405	15.44	51.8	0.8	8.64	50.78	1.46	42.76
2.428	15.44	51.8	0.88	8.64	49.14	1.43	42.76
2.442	15.44	51.8	0.76	8.64	48.11	1.43	42.76
2.455	15.44	51.8	0.88	8.64	48.26	1.47	42.76
2.475	15.44	51.8	0.84	8.64	49.9	1.48	42.76
2.506	15.44	51.8	0.8	8.65	50.4	1.52	42.76
2.534	15.44	51.8	0.95	8.64	48.89	1.46	42.76
2.553	15.44	51.8	0.88	8.64	47.16	1.5	42.76
2.57	15.44	51.8	0.92	8.64	47.24	1.49	42.76
2.597	15.44	51.8	0.8	8.63	48.12	1.5	42.76
2.63	15.44	51.8	0.72	8.63	48.06	1.51	42.76
2.655	15.44	51.8	0.8	8.63	47.04	1.49	42.76
2.675	15.44	51.8	0.84	8.62	46.21	1.51	42.76
2.699	15.44	51.8	0.92	8.62	46.08	1.48	42.76
2.725	15.44	51.8	0.8	8.62	46.84	1.5	42.76
2.751	15.44	51.8	0.76	8.62	46.94	1.46	42.76
2.783	15.44	51.8	0.92	8.61	46.76	1.5	42.76
2.818	15.44	51.8	0.8	8.62	47.37	1.46	42.76
2.837	15.44	51.8	0.92	8.62	45.49	1.48	42.76
2.871	15.44	51.8	0.65	8.63	46.28	1.5	42.76
2.925	15.44	51.8	0.88	8.62	46.64	1.46	42.76
2.963	15.44	51.8	0.76	8.63	46.71	1.44	42.76
2.974	15.44	51.8	0.69	8.63	46.67	1.46	42.76
2.979	15.44	51.8	0.84	8.63	46.33	1.45	42.76
3.001	15.44	51.8	0.76	8.64	46.3	1.43	42.76

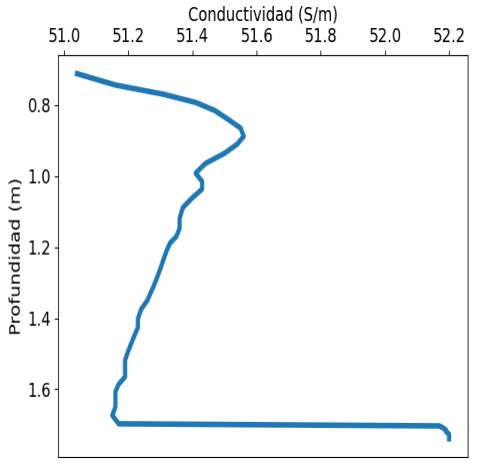
3.041	15.44	51.8	0.84	8.64	45.95	1.46	42.76
3.077	15.44	51.8	0.84	8.65	46.16	1.46	42.76
3.089	15.44	51.8	0.92	8.63	45.95	1.48	42.76
3.105	15.44	51.8	0.88	8.62	46.08	1.45	42.76
3.149	15.44	51.8	0.69	8.61	46.99	1.46	42.76
3.192	15.44	51.8	0.8	8.61	46.56	1.46	42.76
3.216	15.44	51.8	0.88	8.61	45.5	1.46	42.76
3.22	15.44	51.8	0.76	8.61	45.57	1.5	42.76
3.225	15.44	51.8	0.8	8.62	46.31	1.46	42.76
3.255	15.44	51.8	0.8	8.62	47.82	1.53	42.76
3.308	15.44	51.8	0.8	8.63	48.09	1.53	42.76
3.336	15.44	51.8	0.8	8.66	44.51	1.54	42.76
3.348	15.44	51.8	0.84	8.66	46.52	1.5	42.76
3.399	15.44	51.8	0.69	8.66	48.18	1.53	42.76
3.459	15.44	51.8	0.84	8.66	48.28	1.5	42.76
3.471	15.44	51.8	0.72	8.63	45.42	1.49	42.76
3.474	15.44	51.8	0.84	8.62	47.28	1.48	42.76
3.519	15.44	51.8	0.84	8.62	48.92	1.54	42.76
3.583	15.44	51.8	0.84	8.62	48.47	1.47	42.76
3.591	15.44	51.8	0.72	8.63	48.38	1.51	42.75
3.64	15.44	51.8	0.84	8.63	48.94	1.56	42.76
3.699	15.44	51.8	0.88	8.64	47.83	1.54	42.76
3.72	15.44	51.8	0.76	8.65	47.5	1.46	42.76
3.721	15.44	51.8	0.88	8.65	48.14	1.44	42.76
3.741	15.44	51.8	0.84	8.65	48.36	1.53	42.76
3.766	15.44	51.8	0.88	8.65	48.32	1.63	42.76
3.796	15.44	51.8	0.92	8.65	47.52	1.74	42.76
3.828	15.44	51.8	0.84	8.65	47.35	1.62	42.76
3.858	15.44	51.8	0.76	8.66	47.6	1.6	42.76
3.876	15.44	51.8	0.8	8.66	48.35	1.69	42.76
3.881	15.44	51.8	0.84	8.65	48.44	1.69	42.76
3.886	15.44	51.8	0.88	8.65	48.14	1.67	42.76
3.911	15.44	51.8	0.92	8.65	47.3	1.67	42.75
3.948	15.44	51.8	0.92	8.64	47.16	1.63	42.76
3.981	15.44	51.8	0.84	8.63	47.61	1.69	42.76
4.001	15.44	51.8	0.8	8.63	48.38	1.66	42.75
4.01	15.44	51.8	0.8	8.62	48.24	1.69	42.75
4.027	15.44	51.8	0.8	8.63	47.61	1.72	42.76
4.052	15.44	51.8	0.76	8.63	47.02	1.71	42.76
4.075	15.44	51.8	0.76	8.64	47.05	1.69	42.76
4.091	15.44	51.8	0.88	8.65	47.66	1.71	42.76
4.107	15.44	51.8	0.84	8.65	47.91	1.72	42.76
4.135	15.44	51.8	0.88	8.65	47.91	1.78	42.76
4.174	15.44	51.8	0.8	8.65	47.28	1.82	42.76
4.195	15.44	51.8	0.8	8.64	47.39	1.59	42.76
4.215	15.44	51.8	0.8	8.63	47.68	1.61	42.76
4.274	15.44	51.8	0.88	8.62	47.6	1.6	42.76
4.316	15.44	51.8	0.76	8.63	46.75	1.57	42.76
4.317	15.44	51.8	0.69	8.63	47.27	1.53	42.76
4.355	15.44	51.8	1.11	8.63	47.45	1.6	42.76
4.406	15.44	51.8	0.84	8.63	46.98	1.57	42.76
4.439	15.44	51.8	0.8	8.63	46.59	1.59	42.76
4.446	15.44	51.8	0.84	8.63	46.5	1.6	42.76
4.458	15.44	51.8	0.76	8.63	46.87	1.66	42.76
4.491	15.44	51.8	0.92	8.64	47.13	1.79	42.76
4.526	15.44	51.8	0.88	8.64	46.64	1.75	42.76
4.549	15.44	51.8	0.76	8.65	46.03	1.71	42.76
4.565	15.44	51.8	0.84	8.65	45.98	1.75	42.76

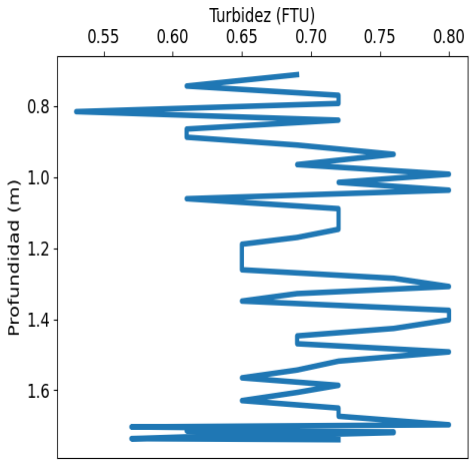
4.581	15.44	51.8	0.76	8.64	46.12	1.65	42.76
4.6	15.44	51.8	0.84	8.64	46.54	1.69	42.76
4.622	15.44	51.8	0.88	8.64	46.28	1.71	42.76
4.648	15.44	51.8	0.88	8.64	45.94	1.71	42.76
4.67	15.44	51.8	0.76	8.64	45.46	1.62	42.76
4.681	15.44	51.8	0.84	8.63	45.4	1.66	42.75
4.692	15.44	51.8	0.92	8.62	45.87	1.72	42.76
4.719	15.44	51.8	0.8	8.62	46.03	1.69	42.76
4.758	15.44	51.8	0.72	8.61	45.86	1.75	42.76
4.787	15.44	51.8	0.95	8.62	45.31	1.68	42.76
4.792	15.44	51.8	0.8	8.62	45.22	1.69	42.75
4.793	15.44	51.8	0.84	8.62	45.09	1.78	42.76
4.815	15.44	51.8	0.76	8.63	45.22	1.8	42.76
4.851	15.44	51.8	0.69	8.65	45.35	1.72	42.76
4.888	15.44	51.8	0.95	8.65	45.31	1.68	42.76
4.913	15.44	51.8	0.95	8.66	44.96	1.66	42.76
4.917	15.44	51.8	0.76	8.67	44.32	1.66	42.76
4.934	15.44	51.79	0.88	8.68	44.45	1.75	42.76
4.976	15.44	51.79	0.76	8.68	44.49	1.72	42.75
5.02	15.44	51.79	0.8	8.68	44.42	1.67	42.76
5.032	15.44	51.79	0.76	8.66	43.78	1.73	42.76
5.059	15.44	51.79	0.72	8.65	43.63	1.78	42.76
5.114	15.44	51.79	0.76	8.63	43.49	1.71	42.76
5.145	15.44	51.79	0.76	8.6	43.11	1.72	42.76
5.184	15.44	51.8	0.8	8.6	42.79	1.75	42.76
5.249	15.44	51.8	0.76	8.6	42.39	1.66	42.76
5.255	15.44	51.8	0.84	8.63	42.61	1.63	42.76
5.261	15.44	51.8	0.72	8.64	42.09	1.71	42.75
5.317	15.44	51.8	0.76	8.65	41.67	1.68	42.76
5.378	15.44	51.8	0.84	8.65	41.69	1.69	42.76
5.402	15.44	51.8	0.84	8.65	41.25	1.71	42.76
5.456	15.44	51.8	0.76	8.65	41.11	1.75	42.76
5.486	15.44	51.8	0.72	8.64	41.07	1.65	42.76
5.508	15.44	51.8	0.8	8.64	40.83	1.77	42.76
5.554	15.44	51.8	0.69	8.64	40.59	1.74	42.76
5.556	15.44	51.8	0.92	8.64	40.29	1.67	42.76
5.598	15.44	51.8	0.69	8.64	39.76	1.73	42.76
5.637	15.44	51.8	0.92	8.61	39.77	1.69	42.76
5.672	15.44	51.8	0.8	8.61	39.22	1.75	42.76
5.739	15.44	51.8	0.95	8.61	38.92	1.63	42.76
5.742	15.44	51.8	0.8	8.63	39.16	1.69	42.76
5.778	15.44	51.8	0.88	8.63	38.56	1.75	42.76
5.844	15.44	51.8	0.95	8.62	38.67	1.66	42.76
5.889	15.44	51.8	0.8	8.62	38.1	1.66	42.76
5.953	15.44	51.8	0.8	8.62	37.93	1.57	42.75
5.954	15.44	51.8	0.8	8.63	38.42	1.63	42.76
5.969	15.44	51.8	0.76	8.63	38.06	1.69	42.76
6.017	15.44	51.8	0.8	8.63	37.64	1.72	42.76
6.062	15.44	51.8	0.84	8.63	37.45	1.65	42.76
6.065	15.44	51.8	0.76	8.64	37.82	1.63	42.76
6.079	15.44	51.8	0.84	8.64	37.48	1.8	42.76
6.121	15.44	51.8	0.92	8.65	37.04	1.75	42.76
6.174	15.44	51.8	0.92	8.66	36.66	1.66	42.76
6.191	15.44	51.79	0.72	8.66	36.92	1.69	42.75
6.197	15.44	51.79	0.84	8.65	36.96	1.66	42.76
6.229	15.44	51.79	0.95	8.64	36.62	1.85	42.76
6.26	15.44	51.79	0.88	8.64	36.42	1.69	42.76
6.27	15.44	51.8	0.76	8.64	36.47	1.62	42.76

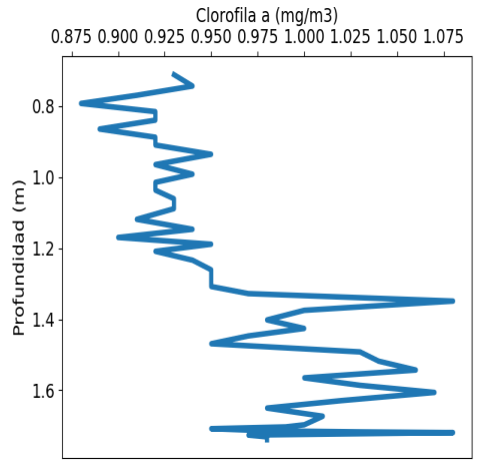
Nombre: CTD E01 - Punto 005 **Fecha: 24/02/2025** **Hora: 08:02:35**

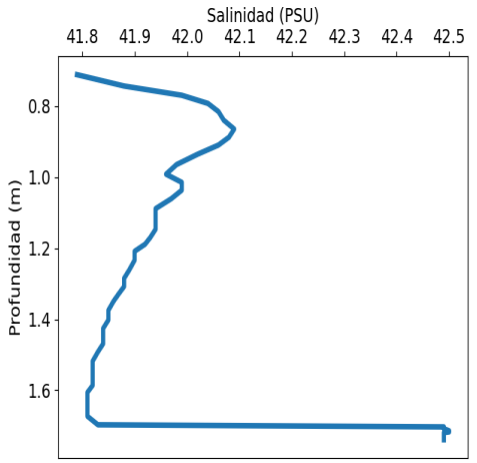


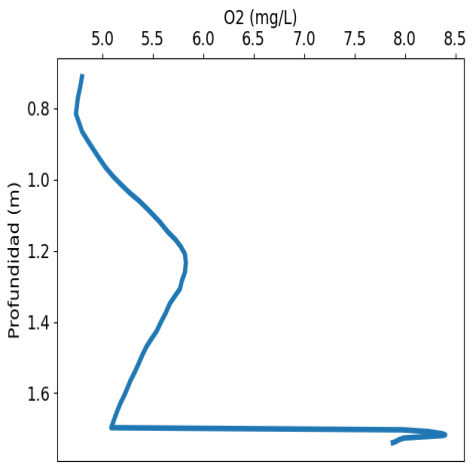


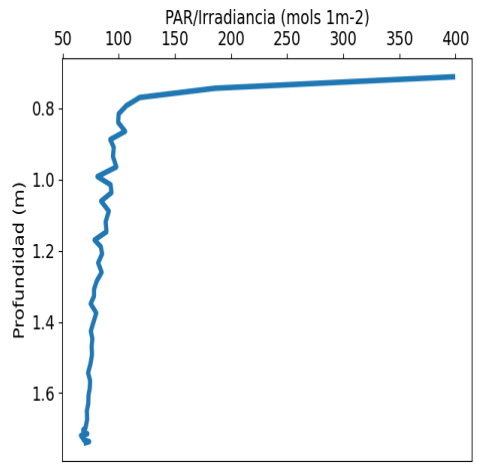


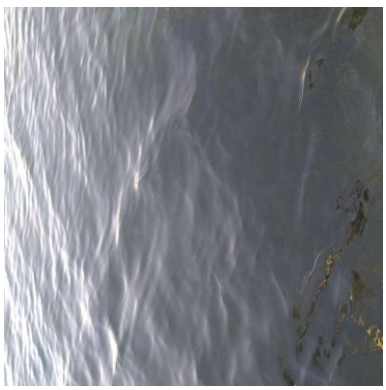












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.69	51.04	0.53	4.74	66.2	0.88	41.79
PROF (metros)	0.712	0.712	0.816	0.816	1.719	0.793	0.712
MÁXIMO	16.03	16.03	0.8	8.4	397.98	1.08	42.5
PROF (metros)	1.726	1.726	0.992	1.717	0.712	1.349	1.714

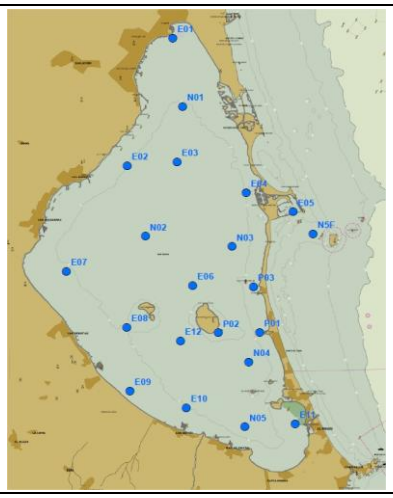
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E01 - Punto 005	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.81	51.41	0.68	4.85	131.27	0.92	42.0
1 - 2m	15.85	51.48	0.7	6.09	77.0	0.98	42.02

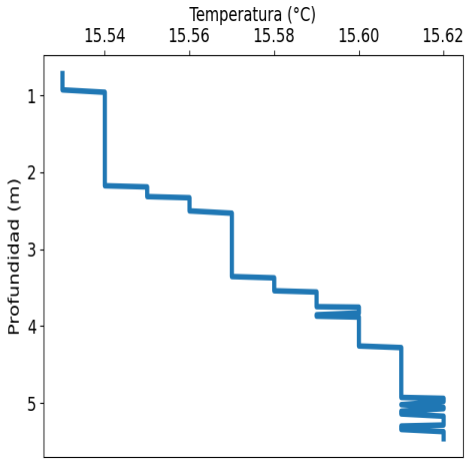
OBSERVACIONES GENERALES

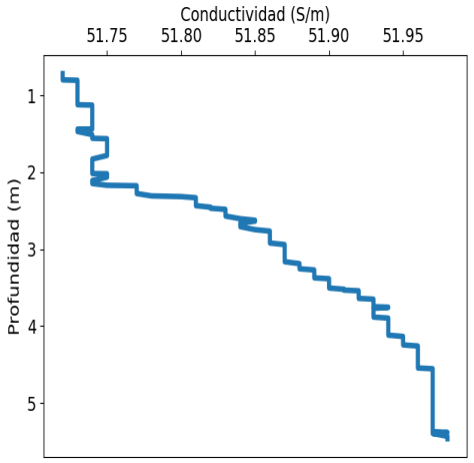
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.712	15.69	51.04	0.69	4.8	397.98	0.93	41.79
0.744	15.7	51.16	0.61	4.78	185.87	0.94	41.88
0.77	15.73	51.31	0.72	4.76	118.61	0.91	41.99
0.793	15.77	51.41	0.72	4.75	106.69	0.88	42.04
0.816	15.8	51.47	0.53	4.74	99.82	0.92	42.06
0.84	15.83	51.51	0.72	4.77	99.38	0.92	42.07
0.865	15.84	51.55	0.61	4.8	105.63	0.89	42.09
0.888	15.86	51.56	0.61	4.85	92.32	0.92	42.08
0.91	15.87	51.54	0.69	4.9	95.46	0.92	42.06
0.936	15.87	51.5	0.76	4.96	94.77	0.95	42.02
0.965	15.86	51.44	0.69	5.03	97.78	0.92	41.98
0.992	15.85	51.41	0.8	5.11	80.86	0.94	41.96
1.015	15.84	51.43	0.72	5.19	92.64	0.92	41.99
1.037	15.83	51.43	0.8	5.27	93.42	0.92	41.99
1.061	15.83	51.4	0.61	5.37	84.19	0.93	41.97
1.089	15.83	51.37	0.72	5.47	91.05	0.93	41.94
1.119	15.83	51.36	0.72	5.57	88.22	0.91	41.94
1.147	15.82	51.36	0.72	5.65	88.94	0.94	41.94
1.17	15.82	51.35	0.69	5.73	78.35	0.9	41.93
1.189	15.82	51.33	0.65	5.78	83.92	0.95	41.92
1.209	15.82	51.32	0.65	5.82	85.07	0.92	41.9
1.234	15.82	51.31	0.65	5.83	81.54	0.94	41.9
1.261	15.82	51.3	0.65	5.82	84.68	0.95	41.89
1.285	15.81	51.29	0.76	5.79	80.32	0.95	41.88
1.308	15.81	51.28	0.8	5.77	77.92	0.95	41.88
1.328	15.81	51.27	0.69	5.72	77.83	0.97	41.87
1.349	15.81	51.26	0.65	5.67	74.85	1.08	41.86
1.375	15.8	51.24	0.8	5.63	79.89	1.0	41.85
1.402	15.8	51.23	0.8	5.58	77.22	0.98	41.85
1.426	15.8	51.23	0.76	5.54	74.99	1.0	41.84
1.447	15.8	51.22	0.69	5.49	76.4	0.97	41.84
1.469	15.79	51.21	0.69	5.44	75.73	0.95	41.84
1.492	15.79	51.2	0.8	5.4	76.06	1.03	41.83
1.518	15.79	51.19	0.72	5.36	74.68	1.04	41.82
1.543	15.78	51.19	0.69	5.32	72.55	1.06	41.82
1.565	15.78	51.19	0.65	5.28	74.39	1.0	41.82
1.586	15.78	51.17	0.72	5.25	74.08	1.03	41.82
1.606	15.78	51.16	0.69	5.22	72.95	1.07	41.81
1.629	15.77	51.16	0.65	5.18	72.73	1.02	41.81
1.65	15.77	51.16	0.72	5.15	71.46	0.98	41.81

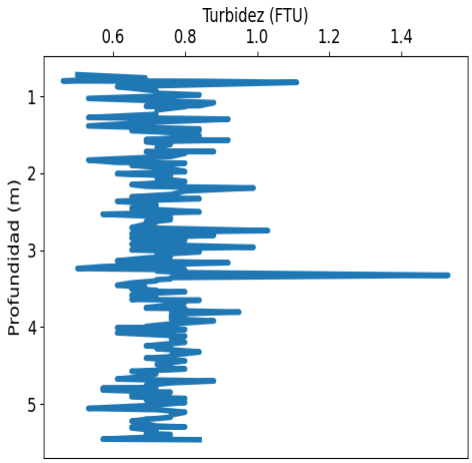
1.673	15.77	51.15	0.72	5.12	71.74	1.01	41.81
1.697	15.76	51.17	0.8	5.09	70.38	1.0	41.83
1.703	16.01	52.17	0.57	7.98	68.24	0.99	42.49
1.708	16.01	52.18	0.69	8.24	68.27	0.95	42.49
1.714	16.01	52.19	0.61	8.37	71.93	0.98	42.5
1.717	16.02	52.19	0.76	8.4	69.71	1.03	42.5
1.719	16.02	52.19	0.76	8.37	66.2	1.08	42.49
1.726	16.03	52.2	0.69	7.99	67.8	0.97	42.49
1.731	16.03	52.2	0.61	7.94	68.73	0.98	42.49
1.736	16.03	52.2	0.57	7.91	73.58	0.98	42.49
1.739	16.03	52.2	0.72	7.88	70.4	0.98	42.49

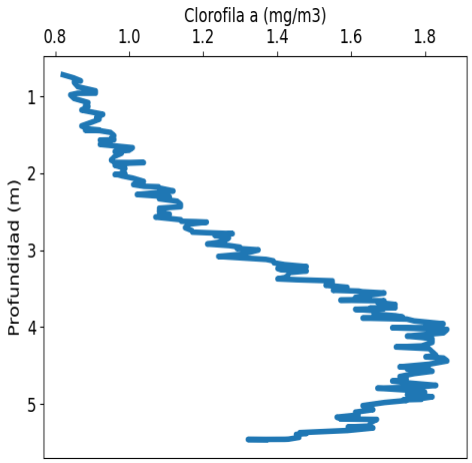
Nombre: CTD N01 - Punto 006 **Fecha: 24/02/2025** **Hora: 09:02:40**

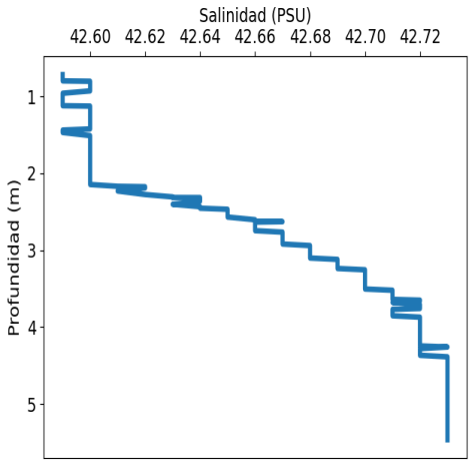


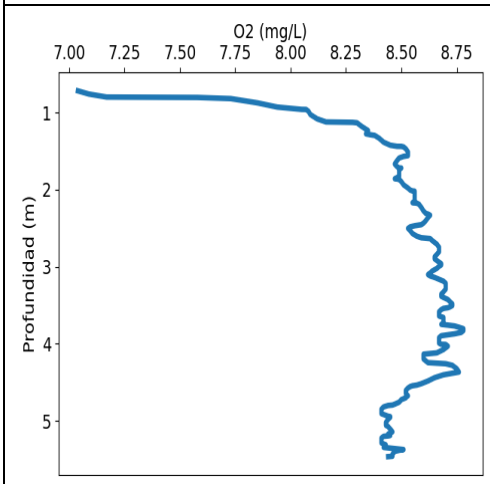


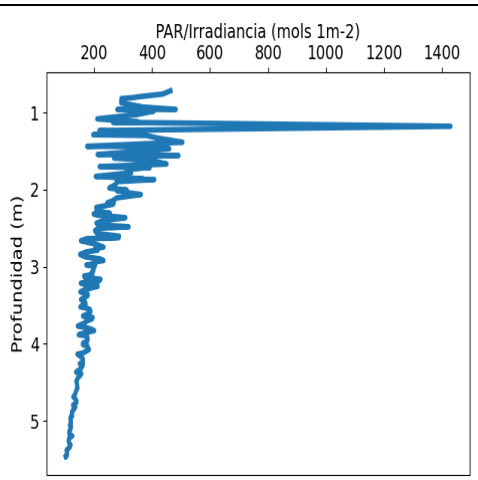












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.53	51.72	0.46	7.04	102.64	0.82	42.59
PROF (metros)	0.717	0.717	0.798	0.717	5.46	0.717	0.717
MÁXIMO	15.62	15.62	1.53	8.78	1428.6	1.86	42.73
PROF (metros)	4.94	5.383	3.326	3.805	1.177	4.031	4.259

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N01 - Punto 006	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.53	51.73	0.72	7.66	371.51	0.86	42.59
1 - 2m	15.54	51.74	0.74	8.43	355.55	0.94	42.6
2 - 3m	15.56	51.82	0.73	8.61	234.87	1.13	42.64
3 - 4m	15.58	51.91	0.75	8.69	175.64	1.56	42.7
4 - 5m	15.61	51.96	0.73	8.57	143.43	1.78	42.73
5 - 6m	15.62	51.97	0.7	8.44	113.9	1.56	42.73

OBSERVACIONES GENERALES

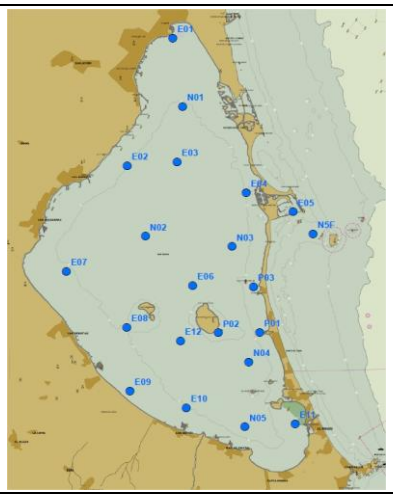
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.717	15.53	51.72	0.5	7.04	463.76	0.82	42.59
0.759	15.53	51.72	0.69	7.09	436.85	0.85	42.59
0.798	15.53	51.72	0.46	7.17	345.83	0.87	42.59
0.803	15.53	51.73	0.84	7.58	341.05	0.85	42.6
0.818	15.53	51.73	1.11	7.73	294.51	0.85	42.6
0.873	15.53	51.73	0.61	7.85	293.7	0.86	42.6
0.928	15.53	51.73	0.72	7.94	370.05	0.91	42.6
0.958	15.54	51.73	0.72	8.05	482.18	0.91	42.59
0.959	15.54	51.73	0.72	8.07	280.59	0.86	42.59
0.98	15.54	51.73	0.84	8.08	406.56	0.84	42.59
1.026	15.54	51.73	0.53	8.09	346.55	0.85	42.59
1.081	15.54	51.73	0.88	8.12	211.28	0.89	42.59
1.121	15.54	51.73	0.84	8.16	352.79	0.88	42.59
1.126	15.54	51.74	0.69	8.28	265.65	0.89	42.6
1.132	15.54	51.74	0.8	8.3	432.11	0.89	42.6
1.177	15.54	51.74	0.72	8.32	1428.6	0.87	42.6
1.233	15.54	51.74	0.72	8.35	218.5	0.93	42.6
1.275	15.54	51.74	0.53	8.34	345.27	0.91	42.6
1.287	15.54	51.74	0.8	8.36	197.32	0.92	42.6
1.296	15.54	51.74	0.92	8.38	380.84	0.92	42.6
1.333	15.54	51.74	0.72	8.4	422.8	0.9	42.6
1.384	15.54	51.74	0.53	8.42	505.06	0.87	42.6
1.423	15.54	51.74	0.84	8.45	257.17	0.89	42.6
1.437	15.54	51.74	0.72	8.48	176.5	0.92	42.59
1.438	15.54	51.73	0.84	8.5	278.51	0.88	42.59
1.445	15.54	51.73	0.65	8.51	356.0	0.92	42.59
1.469	15.54	51.73	0.76	8.52	459.7	0.95	42.59
1.51	15.54	51.74	0.84	8.53	332.47	0.96	42.6
1.543	15.54	51.74	0.76	8.53	212.61	0.95	42.6
1.558	15.54	51.74	0.72	8.53	491.55	0.96	42.6
1.563	15.54	51.75	0.69	8.52	367.91	0.96	42.6
1.568	15.54	51.75	0.92	8.51	347.44	0.92	42.6
1.589	15.54	51.75	0.69	8.49	269.06	0.95	42.6
1.624	15.54	51.75	0.76	8.48	402.53	0.92	42.6
1.667	15.54	51.75	0.72	8.47	450.63	1.01	42.6
1.7	15.54	51.75	0.72	8.48	219.57	1.0	42.6

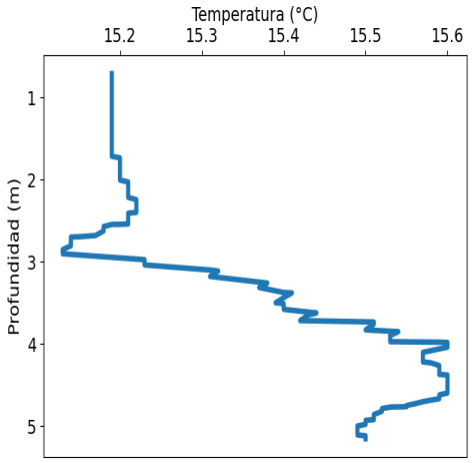
1.717	15.54	51.75	0.76	8.49	391.85	0.96	42.6
1.718	15.54	51.75	0.88	8.49	319.18	0.97	42.6
1.719	15.54	51.75	0.69	8.5	362.66	0.97	42.6
1.739	15.54	51.75	0.8	8.49	313.61	0.98	42.6
1.781	15.54	51.75	0.76	8.49	328.26	0.96	42.6
1.828	15.54	51.74	0.53	8.49	206.06	0.95	42.6
1.858	15.54	51.74	0.61	8.47	368.68	0.96	42.6
1.861	15.54	51.74	0.69	8.48	277.42	1.04	42.6
1.868	15.54	51.74	0.8	8.49	407.98	1.0	42.6
1.895	15.54	51.74	0.65	8.5	281.24	0.96	42.6
1.937	15.54	51.74	0.76	8.51	272.89	0.99	42.6
1.979	15.54	51.74	0.8	8.53	252.68	0.98	42.6
2.005	15.54	51.74	0.61	8.54	313.24	0.99	42.6
2.016	15.54	51.74	0.65	8.55	280.13	0.96	42.6
2.019	15.54	51.75	0.69	8.56	294.51	0.97	42.6
2.033	15.54	51.75	0.76	8.56	304.58	0.98	42.6
2.063	15.54	51.75	0.72	8.56	361.99	1.01	42.6
2.106	15.54	51.74	0.8	8.56	278.71	1.04	42.6
2.146	15.54	51.74	0.65	8.56	263.38	1.01	42.6
2.169	15.54	51.75	0.69	8.55	246.26	1.04	42.61
2.175	15.54	51.77	0.76	8.57	268.5	1.08	42.62
2.19	15.55	51.77	0.99	8.58	265.22	1.08	42.62
2.23	15.55	51.77	0.8	8.59	207.88	1.12	42.61
2.276	15.55	51.77	0.76	8.6	209.87	1.02	42.62
2.307	15.55	51.78	0.65	8.61	255.33	1.11	42.63
2.315	15.55	51.8	0.72	8.62	218.66	1.08	42.63
2.316	15.55	51.8	0.69	8.62	198.79	1.09	42.64
2.331	15.56	51.81	0.84	8.63	211.92	1.08	42.64
2.363	15.56	51.81	0.61	8.62	308.56	1.13	42.64
2.403	15.56	51.81	0.72	8.61	232.4	1.14	42.63
2.434	15.56	51.81	0.72	8.6	208.51	1.14	42.64
2.454	15.56	51.82	0.65	8.59	234.13	1.08	42.64
2.468	15.56	51.82	0.69	8.56	263.75	1.09	42.65
2.482	15.56	51.83	0.76	8.54	319.77	1.08	42.65
2.502	15.56	51.83	0.84	8.53	213.2	1.08	42.65
2.532	15.57	51.83	0.57	8.54	203.54	1.11	42.65
2.569	15.57	51.83	0.76	8.55	211.04	1.07	42.65
2.604	15.57	51.84	0.76	8.57	286.57	1.14	42.66
2.624	15.57	51.85	0.72	8.59	284.98	1.14	42.66
2.629	15.57	51.85	0.69	8.61	264.98	1.18	42.67
2.635	15.57	51.85	0.72	8.63	177.49	1.21	42.66
2.662	15.57	51.84	0.69	8.64	155.13	1.16	42.66
2.707	15.57	51.84	0.65	8.66	206.06	1.15	42.66
2.746	15.57	51.85	1.03	8.67	233.15	1.17	42.66
2.765	15.57	51.86	0.72	8.67	205.11	1.17	42.67
2.773	15.57	51.86	0.72	8.67	202.41	1.21	42.67
2.785	15.57	51.86	0.65	8.67	212.81	1.28	42.67
2.807	15.57	51.86	0.88	8.67	174.03	1.23	42.67
2.84	15.57	51.86	0.65	8.66	152.35	1.27	42.67
2.872	15.57	51.86	0.8	8.65	170.55	1.26	42.67
2.898	15.57	51.86	0.69	8.65	220.74	1.24	42.67
2.92	15.57	51.86	0.65	8.66	233.15	1.21	42.67
2.94	15.57	51.87	0.8	8.67	199.25	1.27	42.68
2.961	15.57	51.87	0.99	8.68	205.11	1.3	42.68
2.977	15.57	51.87	0.76	8.68	173.7	1.29	42.68
2.996	15.57	51.87	0.65	8.67	202.7	1.35	42.68
3.022	15.57	51.87	0.84	8.66	198.79	1.33	42.68
3.055	15.57	51.87	0.72	8.64	197.91	1.3	42.68

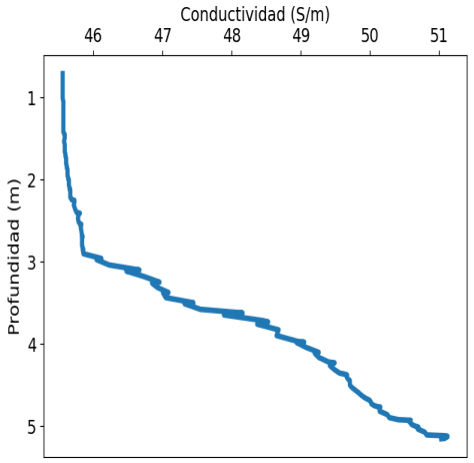
3.081	15.57	51.87	0.76	8.63	190.71	1.24	42.68
3.102	15.57	51.87	0.69	8.62	194.82	1.31	42.68
3.12	15.57	51.87	0.65	8.63	166.37	1.37	42.69
3.139	15.57	51.87	0.61	8.65	167.92	1.39	42.69
3.163	15.57	51.87	0.92	8.67	222.75	1.39	42.69
3.188	15.57	51.88	0.72	8.69	216.64	1.42	42.69
3.214	15.57	51.88	0.57	8.7	154.62	1.48	42.69
3.238	15.57	51.88	0.5	8.7	175.61	1.4	42.69
3.255	15.57	51.88	0.8	8.7	213.0	1.41	42.7
3.27	15.57	51.89	0.72	8.7	196.68	1.48	42.7
3.292	15.57	51.89	0.8	8.7	173.26	1.43	42.7
3.326	15.57	51.89	1.53	8.69	152.95	1.43	42.7
3.356	15.57	51.89	0.76	8.68	178.89	1.42	42.7
3.373	15.58	51.89	0.76	8.68	178.85	1.4	42.7
3.384	15.58	51.9	0.72	8.68	174.55	1.45	42.7
3.399	15.58	51.9	0.72	8.69	168.16	1.55	42.7
3.426	15.58	51.9	0.65	8.71	155.23	1.55	42.7
3.456	15.58	51.9	0.61	8.72	169.21	1.53	42.7
3.483	15.58	51.9	0.69	8.73	171.42	1.59	42.7
3.505	15.58	51.9	0.65	8.73	158.95	1.57	42.7
3.521	15.58	51.91	0.72	8.72	153.27	1.55	42.71
3.532	15.58	51.91	0.69	8.71	166.45	1.62	42.71
3.541	15.58	51.92	0.8	8.69	177.61	1.63	42.71
3.557	15.59	51.92	0.72	8.68	186.47	1.69	42.71
3.584	15.59	51.92	0.65	8.67	188.38	1.65	42.71
3.615	15.59	51.92	0.72	8.67	177.2	1.61	42.71
3.64	15.59	51.92	0.65	8.67	162.07	1.65	42.71
3.65	15.59	51.93	0.84	8.68	173.22	1.57	42.72
3.659	15.59	51.93	0.76	8.69	195.82	1.69	42.72
3.679	15.59	51.93	0.8	8.69	192.62	1.67	42.71
3.707	15.59	51.93	0.76	8.69	173.54	1.72	42.72
3.732	15.59	51.93	0.72	8.69	168.12	1.68	42.72
3.748	15.59	51.93	0.69	8.68	157.04	1.72	42.72
3.754	15.6	51.94	0.69	8.7	154.05	1.65	42.72
3.758	15.6	51.94	0.8	8.71	155.88	1.69	42.72
3.769	15.6	51.93	0.76	8.74	144.3	1.61	42.71
3.786	15.6	51.93	0.76	8.76	166.53	1.66	42.71
3.805	15.6	51.93	0.95	8.78	187.08	1.66	42.71
3.83	15.6	51.93	0.76	8.78	201.06	1.66	42.71
3.853	15.59	51.93	0.76	8.77	172.82	1.72	42.71
3.871	15.59	51.93	0.76	8.74	157.99	1.74	42.72
3.883	15.6	51.93	0.8	8.71	147.41	1.63	42.72
3.896	15.6	51.94	0.76	8.68	175.61	1.75	42.72
3.92	15.6	51.94	0.88	8.67	178.19	1.77	42.72
3.958	15.6	51.94	0.76	8.67	177.98	1.85	42.72
3.992	15.6	51.94	0.69	8.67	162.64	1.8	42.72
4.007	15.6	51.94	0.69	8.68	172.58	1.81	42.72
4.008	15.6	51.94	0.61	8.7	173.54	1.75	42.72
4.009	15.6	51.94	0.72	8.7	161.51	1.71	42.72
4.031	15.6	51.94	0.8	8.71	177.2	1.86	42.72
4.075	15.6	51.94	0.61	8.69	182.96	1.85	42.72
4.118	15.6	51.94	0.8	8.66	163.09	1.75	42.72
4.135	15.6	51.95	0.76	8.6	143.04	1.79	42.72
4.154	15.6	51.95	0.76	8.6	150.8	1.82	42.72
4.198	15.6	51.95	0.8	8.6	162.11	1.82	42.72
4.245	15.6	51.95	0.69	8.62	162.19	1.79	42.72
4.259	15.6	51.96	0.76	8.7	150.91	1.72	42.73
4.28	15.61	51.96	0.72	8.73	161.44	1.81	42.72

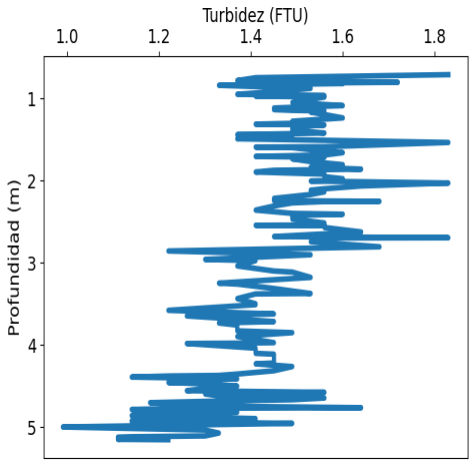
4.324	15.61	51.96	0.84	8.75	154.8	1.82	42.72
4.367	15.61	51.96	0.76	8.76	138.31	1.83	42.72
4.387	15.61	51.96	0.76	8.72	156.93	1.8	42.73
4.403	15.61	51.96	0.69	8.69	154.48	1.85	42.73
4.44	15.61	51.96	0.8	8.65	145.34	1.86	42.73
4.483	15.61	51.96	0.72	8.62	139.66	1.81	42.73
4.518	15.61	51.96	0.76	8.59	141.52	1.73	42.73
4.536	15.61	51.96	0.76	8.57	142.21	1.81	42.73
4.545	15.61	51.96	0.8	8.55	141.92	1.75	42.73
4.555	15.61	51.97	0.76	8.54	142.18	1.79	42.73
4.574	15.61	51.97	0.65	8.53	143.54	1.82	42.73
4.605	15.61	51.97	0.72	8.52	139.08	1.77	42.73
4.644	15.61	51.97	0.69	8.52	135.9	1.73	42.73
4.675	15.61	51.97	0.61	8.53	132.38	1.75	42.73
4.689	15.61	51.97	0.72	8.52	128.78	1.75	42.73
4.701	15.61	51.97	0.88	8.52	133.28	1.71	42.73
4.725	15.61	51.97	0.76	8.5	137.8	1.75	42.73
4.758	15.61	51.97	0.69	8.49	139.99	1.83	42.73
4.784	15.61	51.97	0.72	8.47	132.29	1.77	42.73
4.795	15.61	51.97	0.57	8.46	128.04	1.67	42.73
4.801	15.61	51.97	0.69	8.44	128.07	1.69	42.73
4.819	15.61	51.97	0.57	8.42	136.05	1.75	42.73
4.848	15.61	51.97	0.76	8.41	131.44	1.8	42.73
4.879	15.61	51.97	0.65	8.41	124.64	1.75	42.73
4.907	15.61	51.97	0.65	8.41	124.09	1.82	42.73
4.928	15.61	51.97	0.8	8.43	124.12	1.79	42.73
4.94	15.62	51.97	0.76	8.44	125.25	1.79	42.73
4.946	15.62	51.97	0.69	8.45	121.62	1.74	42.73
4.954	15.62	51.97	0.72	8.45	119.49	1.75	42.73
4.981	15.62	51.97	0.8	8.44	119.3	1.69	42.73
5.022	15.61	51.97	0.69	8.43	120.97	1.63	42.73
5.058	15.62	51.97	0.53	8.43	116.86	1.65	42.73
5.074	15.62	51.97	0.72	8.44	121.22	1.66	42.73
5.107	15.61	51.97	0.8	8.45	119.44	1.61	42.73
5.143	15.61	51.97	0.76	8.46	114.72	1.62	42.73
5.172	15.62	51.97	0.76	8.44	115.62	1.56	42.73
5.19	15.62	51.97	0.72	8.45	123.01	1.57	42.73
5.196	15.62	51.97	0.69	8.44	125.8	1.57	42.73
5.201	15.62	51.97	0.69	8.42	123.49	1.67	42.73
5.223	15.62	51.97	0.65	8.41	114.93	1.66	42.73
5.256	15.62	51.97	0.69	8.41	112.79	1.65	42.73
5.287	15.62	51.97	0.72	8.41	114.58	1.65	42.73
5.299	15.61	51.97	0.8	8.42	115.3	1.59	42.73
5.3	15.61	51.97	0.65	8.42	116.03	1.59	42.73
5.312	15.61	51.97	0.65	8.43	119.66	1.66	42.73
5.345	15.61	51.97	0.72	8.42	116.13	1.59	42.73
5.373	15.62	51.97	0.72	8.51	107.48	1.46	42.73
5.383	15.62	51.98	0.69	8.49	105.56	1.48	42.73
5.397	15.62	51.97	0.76	8.47	106.96	1.45	42.73
5.434	15.62	51.98	0.69	8.46	107.66	1.46	42.73
5.458	15.62	51.98	0.57	8.46	104.68	1.43	42.73
5.46	15.62	51.98	0.65	8.46	102.64	1.42	42.73
5.462	15.62	51.98	0.76	8.45	104.78	1.32	42.73
5.465	15.62	51.98	0.84	8.44	103.24	1.37	42.73

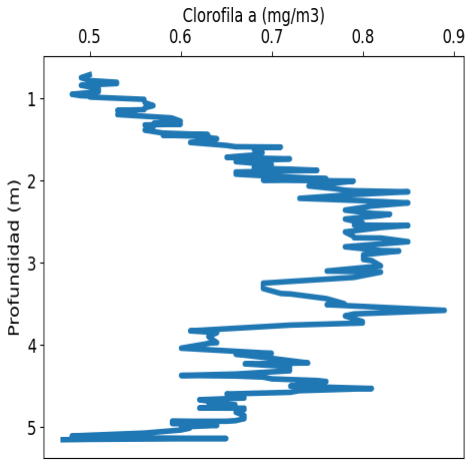
Nombre: CTD E05 - Punto 007 **Fecha: 24/02/2025** **Hora: 09:02:04**

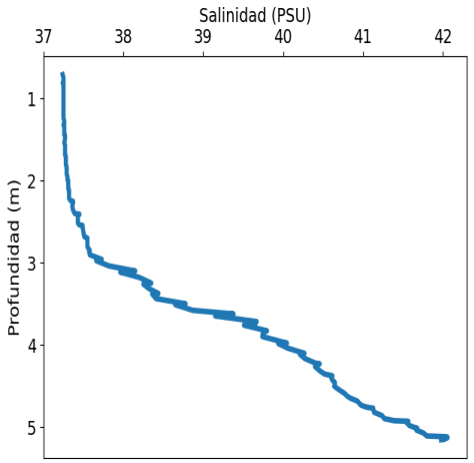


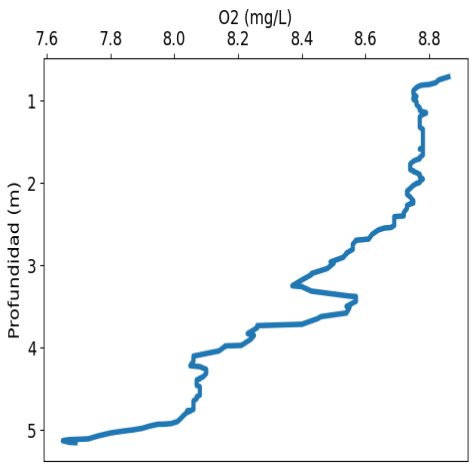


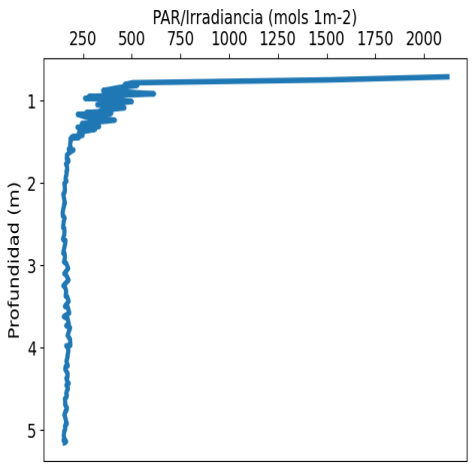












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.13	45.56	0.99	7.65	144.71	0.47	37.24
PROF (metros)	2.85	0.707	4.999	5.13	2.357	5.154	0.707
MÁXIMO	15.6	15.6	1.83	8.86	2120.4	0.89	42.06
PROF (metros)	3.982	5.123	0.707	0.707	0.707	3.578	5.123

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E05 - Punto 007	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.19	45.56	1.52	8.78	641.79	0.5	37.25
1 - 2m	15.19	45.59	1.52	8.77	229.92	0.63	37.27
2 - 3m	15.19	45.78	1.52	8.67	152.19	0.8	37.44
3 - 4m	15.43	47.7	1.4	8.39	167.68	0.73	38.97
4 - 5m	15.56	49.89	1.33	8.05	163.68	0.67	40.86
5 - 6m	15.5	50.95	1.19	7.71	154.44	0.54	41.91

OBSERVACIONES GENERALES

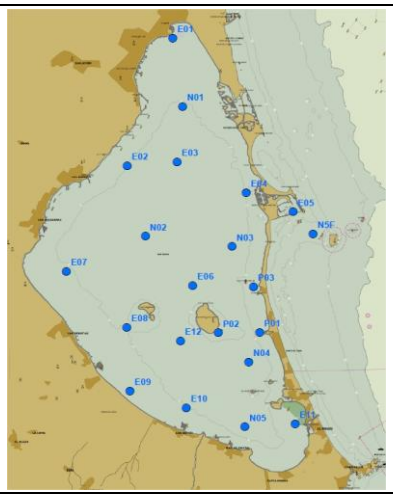
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.707	15.19	45.56	1.83	8.86	2120.4	0.5	37.24
0.744	15.19	45.56	1.41	8.83	1515.9	0.49	37.25
0.779	15.19	45.56	1.37	8.82	504.59	0.5	37.25
0.8	15.19	45.56	1.72	8.8	463.76	0.53	37.25
0.807	15.19	45.56	1.56	8.78	528.41	0.53	37.24
0.815	15.19	45.56	1.6	8.77	514.87	0.53	37.25
0.837	15.19	45.56	1.33	8.76	435.94	0.49	37.25
0.874	15.19	45.56	1.53	8.75	352.55	0.51	37.25
0.914	15.19	45.56	1.45	8.75	613.9	0.51	37.25
0.946	15.19	45.56	1.37	8.76	279.29	0.48	37.25
0.963	15.19	45.56	1.56	8.75	383.94	0.49	37.25
0.968	15.19	45.56	1.41	8.75	259.27	0.5	37.25
0.98	15.19	45.56	1.56	8.75	370.39	0.5	37.25
1.008	15.19	45.56	1.53	8.76	499.7	0.56	37.25
1.046	15.19	45.57	1.49	8.76	322.08	0.56	37.25
1.084	15.19	45.57	1.6	8.77	461.94	0.57	37.25
1.113	15.19	45.57	1.45	8.77	349.46	0.56	37.25
1.133	15.19	45.57	1.45	8.78	325.98	0.56	37.25
1.142	15.19	45.57	1.49	8.79	266.64	0.53	37.25
1.149	15.19	45.57	1.56	8.79	394.67	0.55	37.25
1.163	15.19	45.57	1.53	8.78	221.72	0.54	37.25
1.193	15.19	45.57	1.56	8.77	261.44	0.53	37.25
1.234	15.19	45.57	1.6	8.77	412.83	0.59	37.25
1.274	15.19	45.57	1.49	8.77	243.82	0.6	37.26
1.3	15.19	45.57	1.49	8.77	242.02	0.57	37.26
1.31	15.19	45.57	1.41	8.77	332.24	0.6	37.26
1.32	15.19	45.57	1.56	8.77	220.74	0.56	37.25
1.344	15.19	45.57	1.49	8.78	311.36	0.57	37.26
1.382	15.19	45.57	1.49	8.78	228.66	0.56	37.26
1.418	15.19	45.57	1.56	8.78	246.95	0.58	37.26
1.438	15.19	45.58	1.37	8.78	192.08	0.63	37.26
1.445	15.19	45.59	1.49	8.78	227.87	0.58	37.27
1.456	15.19	45.59	1.41	8.78	185.05	0.62	37.27
1.488	15.19	45.59	1.37	8.78	185.39	0.64	37.27
1.533	15.19	45.58	1.83	8.78	182.75	0.61	37.26
1.569	15.19	45.59	1.64	8.78	185.95	0.65	37.27

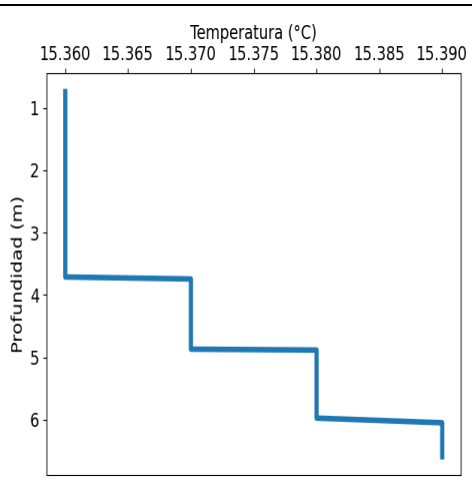
1.585	15.19	45.59	1.56	8.77	175.85	0.66	37.27
1.589	15.19	45.59	1.41	8.78	177.41	0.71	37.27
1.596	15.19	45.59	1.49	8.78	200.55	0.69	37.27
1.621	15.19	45.59	1.53	8.78	183.51	0.68	37.27
1.657	15.19	45.59	1.6	8.78	166.3	0.69	37.27
1.686	15.19	45.6	1.56	8.77	167.65	0.68	37.27
1.703	15.19	45.6	1.41	8.77	165.3	0.66	37.28
1.714	15.19	45.6	1.56	8.76	173.26	0.65	37.28
1.733	15.2	45.61	1.49	8.75	174.87	0.72	37.28
1.766	15.2	45.61	1.53	8.74	161.73	0.66	37.28
1.804	15.2	45.61	1.6	8.74	167.5	0.7	37.28
1.834	15.2	45.62	1.53	8.74	167.92	0.68	37.29
1.849	15.2	45.62	1.6	8.75	166.68	0.68	37.29
1.858	15.2	45.62	1.64	8.75	163.81	0.72	37.29
1.872	15.2	45.63	1.45	8.76	164.8	0.75	37.29
1.893	15.2	45.63	1.41	8.77	165.03	0.66	37.29
1.919	15.2	45.63	1.56	8.77	160.91	0.66	37.29
1.95	15.2	45.63	1.56	8.78	159.83	0.71	37.3
1.975	15.2	45.64	1.6	8.77	164.19	0.76	37.3
1.991	15.2	45.64	1.6	8.77	158.21	0.69	37.3
2.003	15.2	45.65	1.53	8.76	153.3	0.79	37.31
2.027	15.21	45.65	1.83	8.75	154.8	0.77	37.31
2.063	15.21	45.65	1.64	8.74	156.06	0.74	37.31
2.097	15.21	45.66	1.56	8.73	155.77	0.77	37.31
2.114	15.21	45.66	1.53	8.73	154.05	0.78	37.32
2.121	15.21	45.67	1.53	8.73	150.98	0.79	37.32
2.134	15.21	45.67	1.56	8.73	147.93	0.85	37.32
2.167	15.21	45.67	1.53	8.74	150.63	0.79	37.32
2.214	15.21	45.67	1.45	8.75	154.05	0.73	37.32
2.242	15.22	45.69	1.45	8.75	156.32	0.8	37.34
2.25	15.22	45.73	1.68	8.74	153.66	0.81	37.37
2.253	15.22	45.73	1.56	8.74	151.68	0.82	37.37
2.269	15.22	45.73	1.49	8.73	152.81	0.85	37.37
2.307	15.22	45.72	1.45	8.73	148.37	0.81	37.36
2.357	15.22	45.74	1.41	8.72	144.71	0.78	37.37
2.397	15.22	45.76	1.49	8.72	145.45	0.81	37.39
2.407	15.21	45.81	1.6	8.69	150.94	0.83	37.45
2.423	15.21	45.79	1.49	8.69	154.62	0.82	37.43
2.466	15.21	45.78	1.49	8.69	150.49	0.78	37.43
2.514	15.21	45.79	1.56	8.69	147.72	0.8	37.43
2.538	15.21	45.81	1.56	8.68	147.0	0.79	37.45
2.542	15.2	45.83	1.41	8.67	148.89	0.82	37.48
2.544	15.19	45.83	1.56	8.66	152.14	0.85	37.49
2.569	15.18	45.82	1.56	8.64	153.91	0.82	37.49
2.623	15.18	45.83	1.64	8.62	153.13	0.78	37.5
2.679	15.17	45.84	1.45	8.61	146.39	0.79	37.51
2.694	15.15	45.85	1.83	8.57	150.63	0.79	37.54
2.697	15.14	45.84	1.56	8.57	159.46	0.82	37.55
2.742	15.14	45.84	1.53	8.56	156.9	0.85	37.55
2.804	15.14	45.84	1.68	8.56	151.26	0.78	37.55
2.85	15.13	45.86	1.26	8.54	147.35	0.82	37.58
2.855	15.13	45.85	1.22	8.54	154.48	0.84	37.57
2.901	15.13	45.86	1.53	8.53	156.24	0.8	37.58
2.958	15.21	46.12	1.3	8.49	151.5	0.8	37.73
2.973	15.23	46.05	1.41	8.5	162.9	0.81	37.66
3.037	15.23	46.23	1.37	8.48	172.94	0.82	37.82
3.099	15.31	46.67	1.45	8.43	152.98	0.76	38.15
3.112	15.32	46.48	1.49	8.43	161.7	0.82	37.96

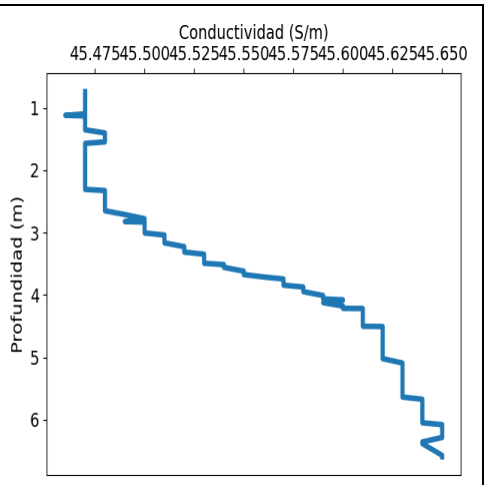
3.177	15.31	46.73	1.53	8.4	175.12	0.79	38.2
3.247	15.37	46.96	1.33	8.37	148.34	0.69	38.35
3.258	15.38	46.85	1.37	8.4	156.1	0.69	38.25
3.312	15.37	46.93	1.45	8.43	162.98	0.69	38.32
3.373	15.4	47.09	1.53	8.55	159.69	0.71	38.44
3.378	15.41	47.01	1.41	8.57	167.3	0.72	38.36
3.435	15.4	47.05	1.37	8.57	175.69	0.76	38.41
3.498	15.39	47.45	1.41	8.54	156.21	0.78	38.78
3.509	15.4	47.32	1.41	8.55	171.34	0.76	38.65
3.578	15.4	47.55	1.22	8.54	178.6	0.89	38.87
3.622	15.44	48.16	1.45	8.46	150.45	0.79	39.38
3.646	15.43	47.89	1.26	8.45	169.76	0.78	39.15
3.715	15.42	48.45	1.45	8.4	176.63	0.8	39.67
3.732	15.51	48.53	1.33	8.26	162.79	0.8	39.66
3.758	15.51	48.37	1.37	8.26	183.0	0.72	39.51
3.828	15.5	48.68	1.37	8.23	173.22	0.61	39.8
3.85	15.54	48.67	1.49	8.25	169.88	0.64	39.75
3.897	15.53	48.65	1.37	8.24	182.58	0.63	39.74
3.972	15.53	48.97	1.45	8.21	184.36	0.64	40.03
3.978	15.59	49.05	1.37	8.16	162.86	0.63	40.05
3.982	15.6	48.94	1.26	8.16	169.72	0.63	39.94
4.039	15.6	49.07	1.41	8.14	174.27	0.6	40.06
4.102	15.57	49.26	1.41	8.06	168.98	0.7	40.27
4.112	15.57	49.2	1.45	8.06	170.04	0.66	40.21
4.163	15.57	49.26	1.45	8.06	163.85	0.7	40.27
4.219	15.57	49.4	1.45	8.05	171.22	0.74	40.4
4.23	15.58	49.49	1.41	8.08	159.58	0.67	40.46
4.263	15.59	49.42	1.49	8.1	158.14	0.72	40.4
4.314	15.59	49.49	1.45	8.1	170.35	0.72	40.46
4.354	15.59	49.56	1.37	8.09	169.45	0.66	40.52
4.371	15.59	49.65	1.33	8.08	163.39	0.6	40.6
4.378	15.6	49.67	1.22	8.08	165.3	0.66	40.62
4.391	15.6	49.66	1.14	8.07	166.1	0.69	40.6
4.413	15.6	49.67	1.37	8.07	168.66	0.7	40.61
4.433	15.6	49.69	1.26	8.07	175.81	0.75	40.62
4.445	15.6	49.71	1.33	8.07	166.68	0.76	40.64
4.457	15.6	49.71	1.22	8.07	163.73	0.75	40.65
4.474	15.6	49.71	1.3	8.08	169.76	0.74	40.65
4.501	15.6	49.71	1.37	8.08	171.58	0.72	40.64
4.53	15.6	49.74	1.3	8.08	165.37	0.81	40.68
4.557	15.6	49.78	1.26	8.08	162.79	0.73	40.72
4.577	15.6	49.81	1.56	8.08	166.49	0.72	40.75
4.597	15.6	49.84	1.3	8.07	164.53	0.65	40.78
4.62	15.59	49.87	1.33	8.07	156.1	0.66	40.8
4.646	15.59	49.91	1.56	8.06	157.23	0.67	40.84
4.667	15.59	49.95	1.49	8.06	157.99	0.62	40.89
4.683	15.58	49.99	1.33	8.06	156.79	0.63	40.93
4.703	15.57	50.01	1.18	8.06	159.13	0.63	40.95
4.728	15.56	50.02	1.26	8.06	166.3	0.66	40.97
4.75	15.55	50.06	1.41	8.06	165.76	0.66	41.02
4.764	15.55	50.11	1.64	8.05	161.17	0.65	41.08
4.768	15.53	50.15	1.45	8.04	161.32	0.62	41.12
4.77	15.53	50.15	1.26	8.05	162.64	0.67	41.13
4.786	15.52	50.14	1.14	8.04	156.75	0.67	41.13
4.819	15.52	50.14	1.37	8.03	153.73	0.66	41.14
4.86	15.51	50.25	1.14	8.02	159.1	0.67	41.24
4.897	15.51	50.28	1.41	8.01	162.52	0.67	41.27
4.922	15.51	50.41	1.14	7.99	166.22	0.66	41.39

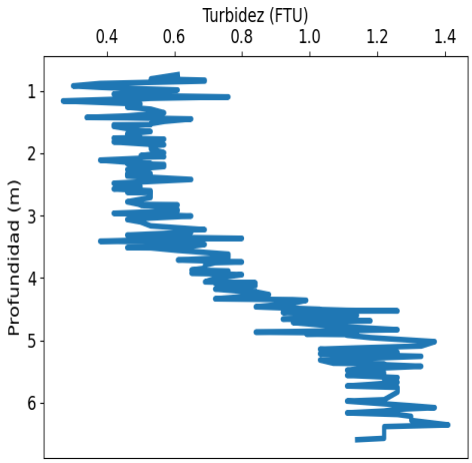
4.929	15.5	50.56	1.14	7.97	165.11	0.65	41.54
4.93	15.5	50.59	1.14	7.95	163.54	0.59	41.57
4.937	15.5	50.56	1.22	7.94	159.17	0.63	41.54
4.955	15.5	50.58	1.49	7.92	156.72	0.59	41.56
4.979	15.5	50.6	1.22	7.9	158.18	0.64	41.58
4.999	15.49	50.65	0.99	7.87	156.53	0.6	41.63
5.013	15.49	50.7	1.11	7.84	152.95	0.61	41.68
5.036	15.49	50.69	1.3	7.8	151.85	0.6	41.67
5.073	15.49	50.79	1.33	7.76	150.31	0.56	41.76
5.108	15.49	50.82	1.3	7.73	154.16	0.48	41.8
5.118	15.5	51.09	1.14	7.67	151.64	0.53	42.04
5.123	15.5	51.12	1.11	7.66	149.51	0.48	42.06
5.13	15.5	51.12	1.11	7.65	157.88	0.53	42.06
5.139	15.5	51.1	1.14	7.66	162.49	0.65	42.04
5.15	15.5	51.08	1.11	7.67	159.24	0.5	42.02
5.154	15.5	51.03	1.22	7.69	154.37	0.47	41.98

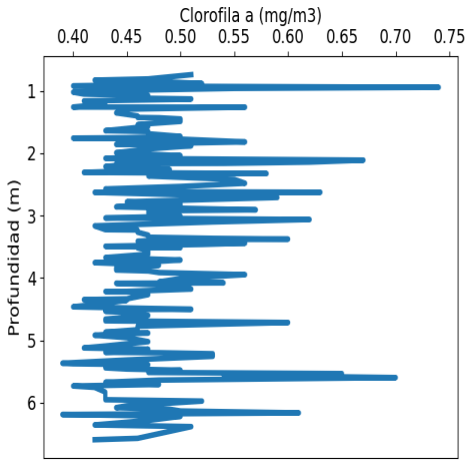
Nombre: CTD N5F - Punto 008 **Fecha: 24/02/2025** **Hora: 09:02:49**

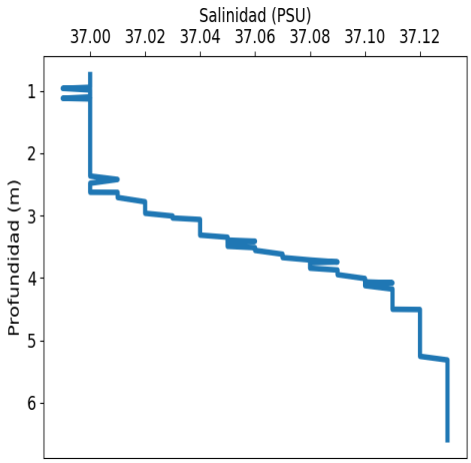


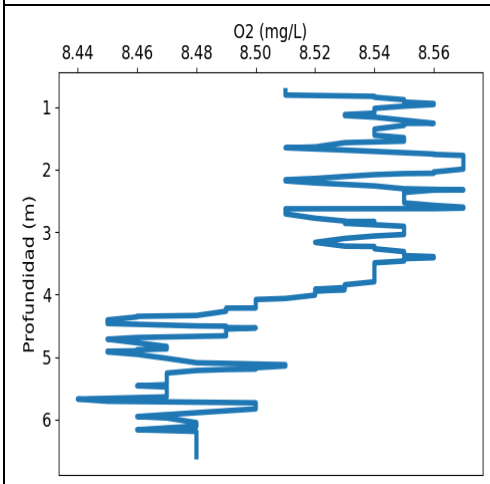


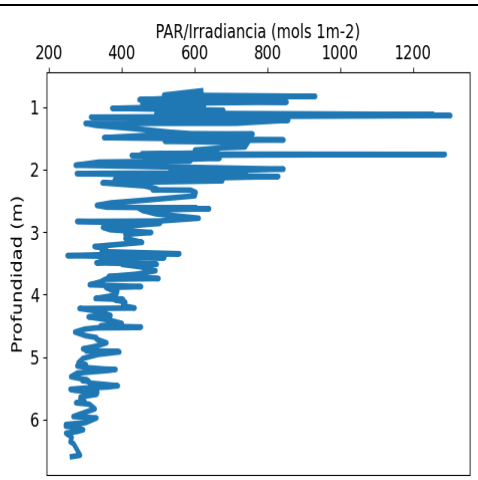












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.36	45.46	0.27	8.44	246.32	0.39	36.99
PROF (metros)	0.74	1.119	1.161	5.671	6.104	5.366	0.96
MÁXIMO	15.39	15.39	1.41	8.57	1302.7	0.74	37.13
PROF (metros)	5.973	6.078	6.355	1.774	1.136	0.943	5.314

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N5F - Punto 008	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.36	45.47	0.52	8.54	629.66	0.51	37.0
1 - 2m	15.36	45.47	0.5	8.55	621.09	0.47	37.0
2 - 3m	15.36	45.48	0.51	8.54	479.34	0.5	37.01
3 - 4m	15.36	45.54	0.63	8.54	398.15	0.48	37.06
4 - 5m	15.37	45.61	0.96	8.48	354.51	0.46	37.11
5 - 6m	15.38	45.63	1.19	8.48	310.26	0.47	37.13
6 - 7m	15.39	45.65	1.26	8.48	269.82	0.47	37.13

OBSERVACIONES GENERALES

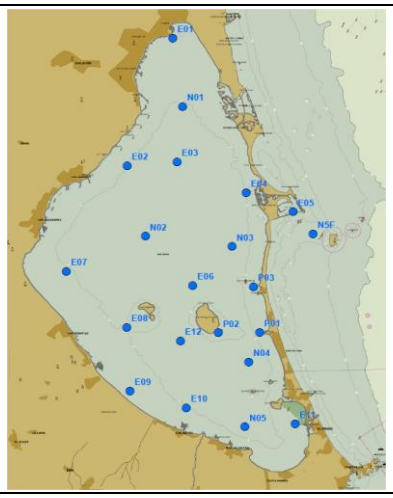
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.74	15.36	45.47	0.61	8.51	618.75	0.51	37.0
0.808	15.36	45.47	0.53	8.51	516.18	0.47	37.0
0.828	15.36	45.47	0.69	8.54	931.71	0.42	37.0
0.843	15.36	45.47	0.69	8.54	604.02	0.47	37.0
0.882	15.36	45.47	0.38	8.55	448.44	0.52	37.0
0.92	15.36	45.47	0.3	8.55	853.36	0.4	37.0
0.943	15.36	45.47	0.38	8.56	456.41	0.74	37.0
0.96	15.36	45.47	0.46	8.56	611.77	0.55	36.99
0.985	15.36	45.47	0.61	8.55	626.26	0.47	37.0
1.02	15.36	45.47	0.53	8.54	373.67	0.4	37.0
1.051	15.36	45.47	0.42	8.54	679.33	0.41	37.0
1.075	15.36	45.47	0.5	8.54	645.71	0.47	37.0
1.097	15.36	45.47	0.76	8.54	495.2	0.46	37.0
1.119	15.36	45.46	0.53	8.53	1255.8	0.47	36.99
1.129	15.36	45.47	0.5	8.53	644.96	0.51	37.0
1.136	15.36	45.47	0.42	8.53	1302.7	0.5	37.0
1.161	15.36	45.47	0.27	8.54	315.43	0.41	37.0
1.21	15.36	45.47	0.5	8.55	857.72	0.43	37.0
1.259	15.36	45.47	0.46	8.56	712.39	0.4	37.0
1.261	15.36	45.47	0.46	8.55	300.44	0.56	37.0
1.293	15.36	45.47	0.53	8.55	329.48	0.45	37.0
1.352	15.36	45.47	0.57	8.54	448.44	0.44	37.0
1.402	15.36	45.48	0.46	8.54	531.85	0.46	37.0
1.426	15.36	45.48	0.34	8.54	592.65	0.46	37.0
1.431	15.36	45.48	0.46	8.54	759.8	0.48	37.0
1.45	15.36	45.48	0.65	8.54	478.84	0.5	37.0
1.489	15.36	45.48	0.57	8.55	351.41	0.5	37.0
1.526	15.36	45.48	0.53	8.55	844.7	0.47	37.0
1.542	15.36	45.48	0.53	8.55	529.02	0.46	37.0
1.545	15.36	45.48	0.42	8.55	518.22	0.47	37.0
1.569	15.36	45.47	0.42	8.53	746.36	0.47	37.0
1.638	15.36	45.47	0.5	8.52	738.79	0.43	37.0
1.651	15.36	45.47	0.53	8.51	674.63	0.47	37.0
1.688	15.36	45.47	0.46	8.53	600.94	0.47	37.0
1.73	15.36	45.47	0.46	8.55	663.31	0.5	37.0

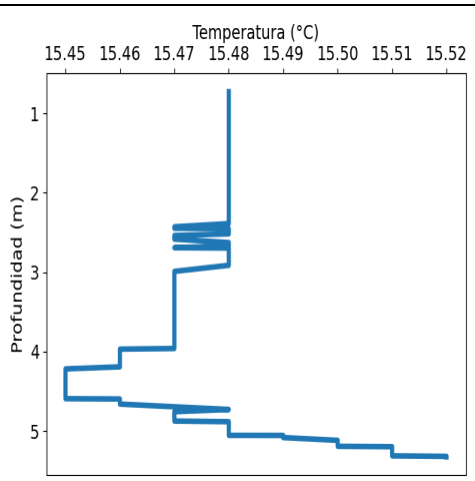
1.751	15.36	45.47	0.5	8.56	454.19	0.45	37.0
1.757	15.36	45.47	0.42	8.56	1287.7	0.4	37.0
1.774	15.36	45.47	0.57	8.57	427.33	0.5	37.0
1.818	15.36	45.47	0.42	8.57	669.33	0.56	37.0
1.857	15.36	45.47	0.53	8.57	463.01	0.44	37.0
1.863	15.36	45.47	0.57	8.57	588.68	0.47	37.0
1.88	15.36	45.47	0.53	8.57	337.91	0.51	37.0
1.93	15.36	45.47	0.53	8.57	273.4	0.47	37.0
1.992	15.36	45.47	0.57	8.57	844.7	0.44	37.0
2.038	15.36	45.47	0.5	8.56	533.21	0.5	37.0
2.055	15.36	45.47	0.57	8.56	740.51	0.48	37.0
2.059	15.36	45.47	0.53	8.56	355.01	0.46	37.0
2.064	15.36	45.47	0.5	8.55	276.59	0.46	37.0
2.081	15.36	45.47	0.5	8.54	430.61	0.43	37.0
2.11	15.36	45.47	0.38	8.53	830.34	0.67	37.0
2.142	15.36	45.47	0.46	8.52	582.57	0.62	37.0
2.162	15.36	45.47	0.53	8.51	381.01	0.54	37.0
2.166	15.36	45.47	0.46	8.51	405.24	0.44	37.0
2.18	15.36	45.47	0.57	8.51	676.66	0.45	37.0
2.213	15.36	45.47	0.57	8.52	346.95	0.43	37.0
2.261	15.36	45.47	0.46	8.54	462.58	0.49	37.0
2.307	15.36	45.47	0.5	8.55	496.01	0.41	37.0
2.325	15.36	45.48	0.53	8.57	485.09	0.58	37.0
2.328	15.36	45.48	0.46	8.56	589.22	0.48	37.0
2.365	15.36	45.48	0.46	8.55	603.6	0.47	37.0
2.42	15.36	45.48	0.65	8.55	600.94	0.55	37.01
2.481	15.36	45.48	0.42	8.55	481.4	0.56	37.0
2.532	15.36	45.48	0.5	8.55	371.34	0.5	37.0
2.572	15.36	45.48	0.42	8.56	331.62	0.43	37.0
2.601	15.36	45.48	0.53	8.57	358.65	0.44	37.0
2.616	15.36	45.48	0.53	8.57	606.4	0.47	37.0
2.625	15.36	45.48	0.46	8.56	448.13	0.63	37.0
2.627	15.36	45.48	0.53	8.51	640.49	0.42	37.01
2.65	15.36	45.48	0.53	8.51	455.56	0.47	37.01
2.709	15.36	45.49	0.53	8.51	494.52	0.59	37.01
2.778	15.36	45.5	0.46	8.52	611.91	0.45	37.02
2.823	15.36	45.49	0.5	8.53	502.02	0.5	37.02
2.829	15.36	45.5	0.61	8.53	277.48	0.5	37.02
2.83	15.36	45.5	0.5	8.54	288.7	0.46	37.02
2.859	15.36	45.5	0.57	8.53	505.53	0.44	37.02
2.907	15.36	45.5	0.61	8.55	411.11	0.57	37.02
2.923	15.36	45.5	0.61	8.55	348.24	0.47	37.02
2.962	15.36	45.5	0.42	8.55	368.34	0.47	37.02
3.006	15.36	45.5	0.65	8.55	481.4	0.5	37.03
3.038	15.36	45.51	0.53	8.55	409.87	0.43	37.03
3.062	15.36	45.51	0.46	8.54	420.26	0.62	37.04
3.101	15.36	45.51	0.5	8.53	409.97	0.53	37.04
3.164	15.36	45.51	0.53	8.52	456.62	0.42	37.04
3.225	15.36	45.52	0.69	8.53	337.44	0.43	37.04
3.23	15.36	45.52	0.61	8.54	325.08	0.46	37.04
3.266	15.36	45.52	0.65	8.54	357.65	0.46	37.04
3.312	15.36	45.52	0.46	8.55	345.03	0.47	37.04
3.346	15.36	45.53	0.57	8.55	558.76	0.47	37.05
3.364	15.36	45.53	0.8	8.55	330.24	0.53	37.05
3.376	15.36	45.53	0.57	8.55	251.1	0.6	37.05
3.392	15.36	45.53	0.5	8.56	407.88	0.48	37.05
3.41	15.36	45.53	0.38	8.56	517.38	0.46	37.06
3.425	15.36	45.53	0.65	8.55	341.61	0.5	37.05

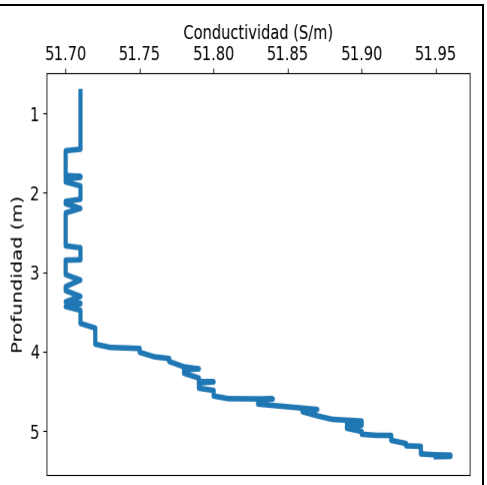
3.441	15.36	45.53	0.65	8.55	344.07	0.56	37.05
3.462	15.36	45.53	0.69	8.55	412.54	0.52	37.05
3.491	15.36	45.53	0.65	8.54	330.4	0.43	37.05
3.513	15.36	45.54	0.46	8.54	496.81	0.5	37.06
3.516	15.36	45.54	0.53	8.54	401.22	0.46	37.06
3.557	15.36	45.54	0.61	8.54	454.19	0.47	37.06
3.618	15.36	45.55	0.76	8.54	493.37	0.47	37.07
3.672	15.36	45.55	0.76	8.54	442.55	0.43	37.07
3.711	15.36	45.56	0.61	8.54	364.01	0.5	37.08
3.743	15.37	45.57	0.8	8.54	501.67	0.47	37.09
3.754	15.37	45.57	0.72	8.54	354.84	0.42	37.08
3.795	15.37	45.57	0.69	8.54	342.56	0.48	37.08
3.842	15.37	45.57	0.69	8.53	311.87	0.44	37.08
3.872	15.37	45.58	0.65	8.53	453.77	0.44	37.09
3.887	15.37	45.58	0.76	8.53	356.74	0.47	37.09
3.913	15.37	45.58	0.76	8.52	371.34	0.48	37.09
3.921	15.37	45.58	0.65	8.53	368.34	0.5	37.09
3.946	15.37	45.58	0.8	8.52	388.41	0.56	37.09
4.008	15.37	45.59	0.72	8.52	384.92	0.5	37.1
4.062	15.37	45.59	0.69	8.51	327.88	0.48	37.1
4.078	15.37	45.6	0.84	8.5	404.59	0.54	37.11
4.084	15.37	45.6	0.72	8.5	381.45	0.44	37.1
4.122	15.37	45.59	0.84	8.5	410.44	0.5	37.1
4.177	15.37	45.6	0.72	8.5	403.46	0.51	37.11
4.214	15.37	45.6	0.8	8.5	435.94	0.45	37.11
4.216	15.37	45.61	0.84	8.49	414.55	0.43	37.11
4.222	15.37	45.61	0.84	8.49	283.99	0.45	37.11
4.266	15.37	45.61	0.88	8.49	337.05	0.47	37.11
4.334	15.37	45.61	0.72	8.48	369.96	0.45	37.11
4.347	15.37	45.61	0.95	8.46	318.37	0.41	37.11
4.357	15.37	45.61	0.99	8.46	308.77	0.45	37.11
4.405	15.37	45.61	0.95	8.45	364.6	0.43	37.11
4.462	15.37	45.61	0.84	8.45	400.85	0.4	37.11
4.501	15.37	45.61	1.03	8.48	341.69	0.51	37.11
4.505	15.37	45.62	1.03	8.49	355.09	0.45	37.12
4.518	15.37	45.62	1.11	8.49	453.45	0.43	37.12
4.528	15.37	45.62	1.26	8.49	419.0	0.44	37.12
4.532	15.37	45.62	0.95	8.5	329.86	0.43	37.12
4.552	15.37	45.62	0.92	8.49	298.43	0.45	37.12
4.599	15.37	45.62	1.14	8.49	271.76	0.47	37.12
4.659	15.37	45.62	0.92	8.49	302.12	0.43	37.12
4.686	15.37	45.62	1.18	8.46	330.32	0.43	37.12
4.713	15.37	45.62	0.95	8.45	330.93	0.6	37.12
4.771	15.37	45.62	1.07	8.46	358.65	0.46	37.12
4.829	15.37	45.62	1.26	8.47	326.66	0.46	37.12
4.868	15.37	45.62	0.84	8.47	293.49	0.43	37.12
4.882	15.38	45.62	1.14	8.46	318.29	0.47	37.12
4.9	15.38	45.62	0.99	8.46	302.12	0.44	37.12
4.906	15.38	45.62	1.11	8.45	389.59	0.43	37.12
4.917	15.38	45.62	1.11	8.45	394.22	0.42	37.12
4.956	15.38	45.62	1.18	8.46	336.27	0.45	37.12
5.02	15.38	45.62	1.37	8.47	293.9	0.47	37.12
5.09	15.38	45.63	1.33	8.48	281.11	0.43	37.12
5.121	15.38	45.63	1.14	8.51	302.26	0.41	37.12
5.141	15.38	45.63	1.03	8.51	277.81	0.47	37.12
5.17	15.38	45.63	1.11	8.5	309.13	0.46	37.12
5.191	15.38	45.63	1.26	8.5	353.53	0.43	37.12
5.198	15.38	45.63	1.18	8.49	383.67	0.48	37.12

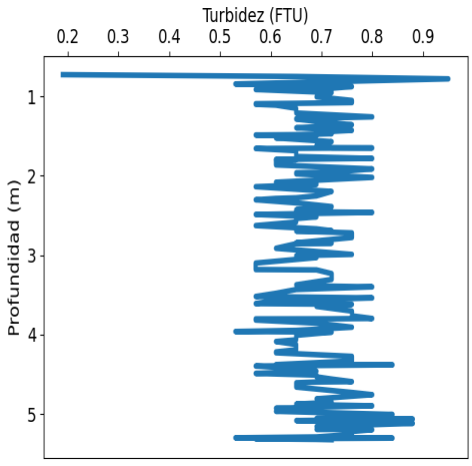
5.214	15.38	45.63	1.03	8.48	363.0	0.53	37.12
5.255	15.38	45.63	1.33	8.47	278.32	0.53	37.12
5.314	15.38	45.63	1.03	8.47	260.77	0.45	37.13
5.366	15.38	45.63	1.07	8.47	306.64	0.39	37.13
5.375	15.38	45.63	1.22	8.47	291.86	0.4	37.13
5.39	15.38	45.63	1.22	8.47	310.35	0.47	37.13
5.415	15.38	45.63	1.33	8.47	311.94	0.43	37.13
5.44	15.38	45.63	1.22	8.47	359.06	0.43	37.13
5.459	15.38	45.63	1.14	8.46	390.13	0.45	37.13
5.478	15.38	45.63	1.11	8.47	361.07	0.5	37.13
5.497	15.38	45.63	1.14	8.47	295.88	0.47	37.13
5.514	15.38	45.63	1.22	8.47	258.91	0.47	37.13
5.532	15.38	45.63	1.22	8.47	271.25	0.65	37.13
5.56	15.38	45.63	1.11	8.47	333.63	0.54	37.13
5.596	15.38	45.63	1.26	8.47	331.24	0.7	37.13
5.636	15.38	45.63	1.22	8.47	287.03	0.48	37.13
5.671	15.38	45.64	1.26	8.44	286.5	0.43	37.13
5.706	15.38	45.64	1.18	8.45	298.16	0.48	37.13
5.731	15.38	45.64	1.11	8.5	274.41	0.4	37.13
5.753	15.38	45.64	1.26	8.5	311.29	0.42	37.13
5.828	15.38	45.64	1.26	8.5	326.51	0.43	37.13
5.951	15.38	45.64	1.22	8.46	267.2	0.43	37.13
5.973	15.38	45.64	1.11	8.47	331.24	0.52	37.13
6.048	15.39	45.64	1.3	8.48	301.21	0.45	37.13
6.078	15.39	45.65	1.37	8.48	246.66	0.44	37.13
6.104	15.39	45.65	1.26	8.48	246.32	0.49	37.13
6.132	15.39	45.65	1.22	8.47	283.33	0.5	37.13
6.162	15.39	45.65	1.11	8.46	294.65	0.61	37.13
6.188	15.39	45.65	1.26	8.48	279.16	0.39	37.13
6.217	15.39	45.65	1.3	8.48	247.06	0.5	37.13
6.283	15.39	45.65	1.3	8.48	263.26	0.47	37.13
6.355	15.39	45.64	1.41	8.48	259.15	0.42	37.13
6.382	15.39	45.64	1.22	8.48	267.88	0.51	37.13
6.57	15.39	45.65	1.22	8.48	286.1	0.46	37.13
6.592	15.39	45.65	1.14	8.48	263.08	0.42	37.13

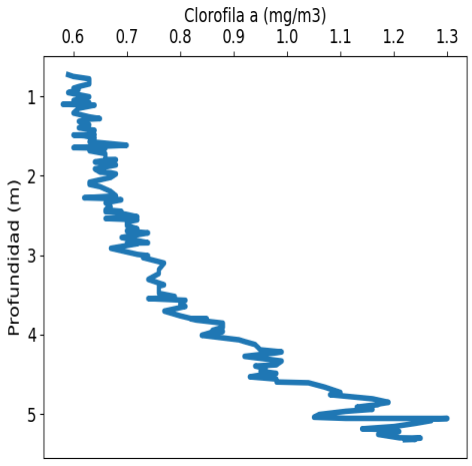
Nombre: CTD E04 - Punto 009 **Fecha: 24/02/2025** **Hora: 09:02:14**

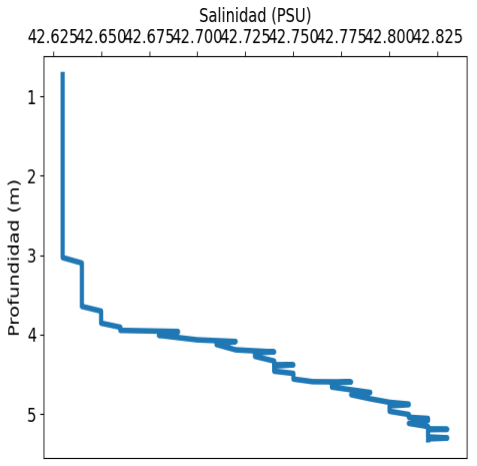


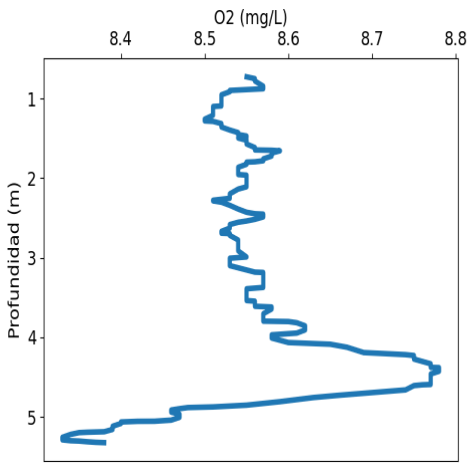


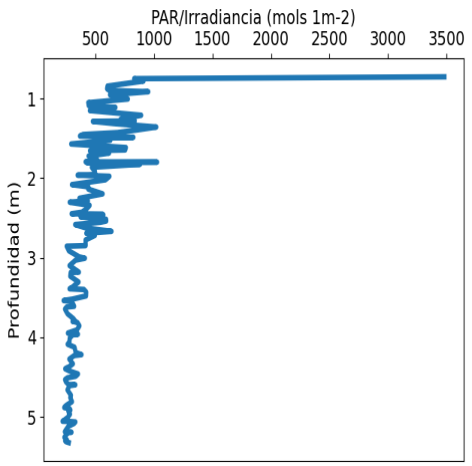












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.45	51.7	0.19	8.33	215.69	0.58	42.63
PROF (metros)	4.219	1.471	0.727	5.258	5.056	1.1	0.727
MÁXIMO	15.52	15.52	0.95	8.78	3484.4	1.3	42.83
PROF (metros)	5.321	5.305	0.78	4.382	0.727	5.057	5.194

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E04 - Punto 009	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.48	51.71	0.64	8.55	1075.74	0.61	42.63
1 - 2m	15.48	51.71	0.67	8.54	600.58	0.64	42.63
2 - 3m	15.48	51.7	0.67	8.54	432.0	0.68	42.63
3 - 4m	15.47	51.71	0.68	8.57	315.83	0.8	42.65
4 - 5m	15.46	51.82	0.68	8.66	280.81	1.02	42.76
5 - 6m	15.5	51.93	0.73	8.38	257.67	1.2	42.82

OBSERVACIONES GENERALES

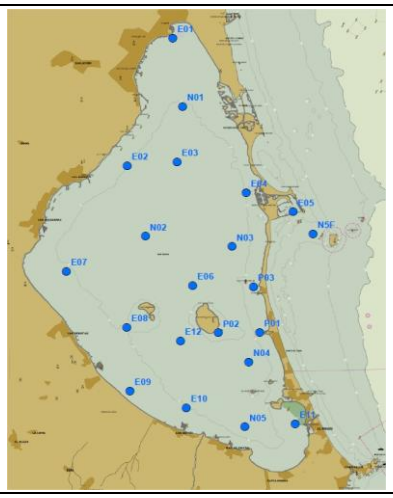
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.727	15.48	51.71	0.19	8.55	3484.4	0.59	42.63
0.75	15.48	51.71	0.65	8.56	828.41	0.6	42.63
0.78	15.48	51.71	0.95	8.56	909.31	0.63	42.63
0.844	15.48	51.71	0.53	8.57	600.25	0.63	42.63
0.877	15.48	51.71	0.76	8.57	596.5	0.61	42.63
0.898	15.48	51.71	0.72	8.53	615.75	0.6	42.63
0.914	15.48	51.71	0.57	8.53	950.25	0.61	42.63
0.953	15.48	51.71	0.72	8.52	621.05	0.59	42.63
1.006	15.48	51.71	0.69	8.52	775.46	0.63	42.63
1.052	15.48	51.71	0.76	8.52	435.33	0.6	42.63
1.079	15.48	51.71	0.76	8.52	506.35	0.63	42.63
1.088	15.48	51.71	0.65	8.52	439.18	0.63	42.63
1.093	15.48	51.71	0.57	8.52	467.98	0.63	42.63
1.1	15.48	51.71	0.57	8.51	549.26	0.58	42.63
1.111	15.48	51.71	0.61	8.51	668.87	0.64	42.63
1.151	15.48	51.71	0.65	8.51	449.27	0.61	42.63
1.21	15.48	51.71	0.65	8.51	889.71	0.6	42.63
1.259	15.48	51.71	0.8	8.5	713.71	0.63	42.63
1.281	15.48	51.71	0.65	8.5	834.58	0.65	42.63
1.287	15.48	51.71	0.65	8.51	474.64	0.63	42.63
1.315	15.48	51.71	0.69	8.52	661.16	0.61	42.63
1.358	15.48	51.71	0.76	8.52	1018.9	0.63	42.63
1.396	15.48	51.71	0.65	8.53	845.48	0.61	42.63
1.428	15.48	51.71	0.76	8.54	688.05	0.64	42.63
1.452	15.48	51.71	0.69	8.54	392.3	0.63	42.63
1.471	15.48	51.7	0.72	8.55	363.92	0.63	42.63
1.483	15.48	51.7	0.65	8.55	707.45	0.64	42.63
1.487	15.48	51.7	0.57	8.54	822.86	0.6	42.63
1.496	15.48	51.7	0.69	8.54	598.3	0.62	42.63
1.524	15.48	51.7	0.61	8.55	625.53	0.64	42.63
1.571	15.48	51.7	0.72	8.55	289.24	0.63	42.63
1.616	15.48	51.7	0.69	8.56	758.75	0.7	42.63
1.646	15.48	51.7	0.72	8.56	752.27	0.6	42.63
1.65	15.48	51.7	0.8	8.58	610.35	0.63	42.63
1.657	15.48	51.7	0.57	8.59	450.31	0.66	42.63
1.685	15.48	51.7	0.65	8.58	614.61	0.63	42.63

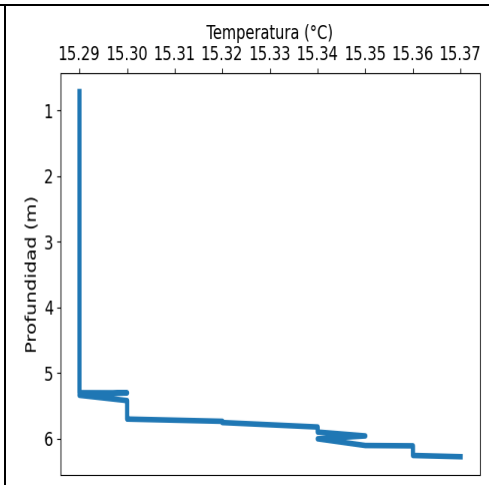
1.723	15.48	51.7	0.65	8.58	437.86	0.66	42.63
1.758	15.48	51.7	0.65	8.57	508.35	0.66	42.63
1.782	15.48	51.7	0.8	8.57	515.11	0.66	42.63
1.795	15.48	51.71	0.61	8.56	412.44	0.66	42.63
1.799	15.48	51.7	0.65	8.55	1025.8	0.68	42.63
1.806	15.48	51.71	0.61	8.55	423.49	0.66	42.63
1.826	15.48	51.7	0.61	8.55	879.46	0.64	42.63
1.864	15.48	51.7	0.61	8.54	465.6	0.68	42.63
1.914	15.48	51.71	0.8	8.54	493.14	0.64	42.63
1.955	15.48	51.71	0.72	8.54	496.12	0.65	42.63
1.963	15.48	51.71	0.65	8.55	344.47	0.67	42.63
1.977	15.48	51.71	0.65	8.55	617.46	0.68	42.63
2.021	15.48	51.71	0.8	8.55	583.38	0.67	42.63
2.082	15.48	51.71	0.61	8.55	295.81	0.63	42.63
2.109	15.48	51.7	0.69	8.55	436.95	0.63	42.63
2.138	15.48	51.7	0.57	8.54	436.14	0.65	42.63
2.198	15.48	51.71	0.72	8.53	559.54	0.67	42.63
2.254	15.48	51.7	0.69	8.53	359.81	0.68	42.63
2.278	15.48	51.7	0.65	8.51	382.96	0.62	42.63
2.286	15.48	51.7	0.61	8.51	433.22	0.66	42.63
2.303	15.48	51.7	0.57	8.52	276.97	0.69	42.63
2.342	15.48	51.7	0.65	8.53	448.44	0.66	42.63
2.389	15.48	51.7	0.72	8.54	420.07	0.67	42.63
2.429	15.47	51.7	0.65	8.55	380.92	0.66	42.63
2.448	15.47	51.7	0.72	8.56	293.08	0.69	42.63
2.453	15.48	51.7	0.65	8.57	559.15	0.66	42.63
2.462	15.48	51.7	0.8	8.57	565.93	0.68	42.63
2.488	15.48	51.7	0.57	8.57	369.79	0.7	42.63
2.518	15.48	51.7	0.69	8.56	589.08	0.72	42.63
2.539	15.47	51.7	0.65	8.55	590.04	0.66	42.63
2.555	15.47	51.7	0.65	8.54	540.92	0.72	42.63
2.584	15.47	51.7	0.65	8.53	323.57	0.7	42.63
2.628	15.48	51.7	0.57	8.53	419.77	0.7	42.63
2.669	15.48	51.7	0.69	8.52	635.61	0.72	42.63
2.693	15.47	51.71	0.72	8.52	418.61	0.7	42.63
2.697	15.48	51.71	0.65	8.53	459.91	0.7	42.63
2.72	15.48	51.71	0.76	8.53	493.14	0.74	42.63
2.778	15.48	51.71	0.76	8.54	412.63	0.69	42.63
2.845	15.48	51.71	0.65	8.54	414.17	0.74	42.63
2.849	15.48	51.7	0.72	8.54	412.06	0.7	42.63
2.856	15.48	51.7	0.65	8.54	250.99	0.72	42.63
2.914	15.48	51.7	0.61	8.54	270.0	0.67	42.63
2.991	15.47	51.7	0.76	8.55	359.48	0.72	42.63
3.007	15.47	51.7	0.65	8.53	407.88	0.74	42.63
3.031	15.47	51.7	0.69	8.53	327.95	0.73	42.63
3.1	15.47	51.71	0.57	8.53	275.37	0.77	42.64
3.182	15.47	51.7	0.57	8.56	356.16	0.76	42.64
3.186	15.47	51.7	0.69	8.57	285.11	0.76	42.64
3.233	15.47	51.7	0.72	8.57	281.7	0.76	42.64
3.306	15.47	51.71	0.72	8.57	353.28	0.74	42.64
3.374	15.47	51.7	0.65	8.57	297.26	0.77	42.64
3.391	15.47	51.71	0.72	8.55	275.5	0.76	42.64
3.4	15.47	51.71	0.8	8.55	399.37	0.76	42.64
3.433	15.47	51.7	0.65	8.55	418.9	0.76	42.64
3.481	15.47	51.71	0.61	8.55	417.35	0.76	42.64
3.521	15.47	51.71	0.57	8.55	301.14	0.79	42.64
3.539	15.47	51.71	0.8	8.55	224.77	0.78	42.64
3.547	15.47	51.71	0.76	8.56	284.85	0.74	42.64

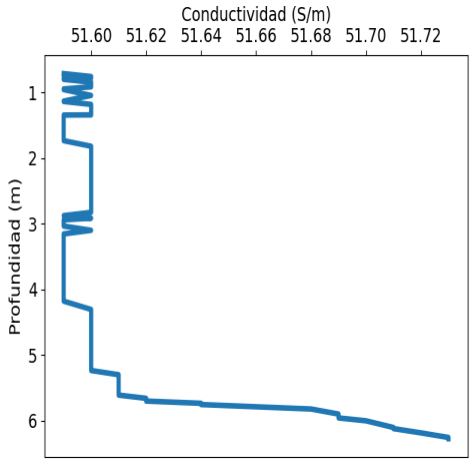
3.569	15.47	51.71	0.61	8.56	301.42	0.81	42.64
3.611	15.47	51.71	0.57	8.56	315.87	0.8	42.64
3.62	15.47	51.71	0.76	8.58	251.69	0.8	42.64
3.646	15.47	51.71	0.69	8.58	236.47	0.81	42.64
3.705	15.47	51.72	0.76	8.57	258.25	0.77	42.65
3.765	15.47	51.72	0.76	8.57	307.35	0.8	42.65
3.798	15.47	51.72	0.8	8.57	325.46	0.82	42.65
3.802	15.47	51.72	0.72	8.59	301.35	0.85	42.65
3.803	15.47	51.72	0.57	8.6	313.24	0.82	42.65
3.818	15.47	51.72	0.57	8.61	344.95	0.83	42.65
3.857	15.47	51.72	0.69	8.62	360.48	0.88	42.65
3.908	15.47	51.72	0.76	8.62	339.16	0.88	42.66
3.948	15.47	51.73	0.65	8.61	260.95	0.86	42.66
3.962	15.47	51.75	0.53	8.59	348.57	0.88	42.69
3.97	15.46	51.75	0.72	8.58	303.03	0.86	42.69
4.01	15.46	51.75	0.65	8.58	277.55	0.84	42.68
4.067	15.46	51.76	0.65	8.6	274.29	0.91	42.7
4.088	15.46	51.77	0.61	8.65	258.79	0.92	42.72
4.126	15.46	51.77	0.65	8.67	318.81	0.94	42.71
4.193	15.46	51.78	0.65	8.69	328.33	0.95	42.72
4.219	15.45	51.79	0.61	8.74	378.99	0.99	42.74
4.23	15.45	51.78	0.61	8.75	316.23	0.98	42.73
4.275	15.45	51.78	0.76	8.75	273.65	0.92	42.73
4.334	15.45	51.79	0.76	8.77	304.65	0.99	42.74
4.379	15.45	51.79	0.61	8.77	264.91	0.98	42.74
4.382	15.45	51.8	0.84	8.78	254.8	0.98	42.75
4.397	15.45	51.79	0.57	8.78	238.07	0.94	42.74
4.428	15.45	51.79	0.65	8.78	281.04	0.96	42.74
4.462	15.45	51.79	0.69	8.77	348.89	0.95	42.74
4.49	15.45	51.8	0.57	8.77	328.56	0.98	42.75
4.511	15.45	51.8	0.69	8.77	256.81	0.95	42.75
4.533	15.45	51.8	0.69	8.77	236.86	0.93	42.75
4.561	15.45	51.8	0.72	8.77	245.29	0.98	42.75
4.594	15.45	51.81	0.76	8.77	266.52	0.98	42.76
4.598	15.46	51.84	0.69	8.76	325.91	0.98	42.78
4.608	15.46	51.83	0.65	8.75	275.94	1.04	42.77
4.662	15.46	51.83	0.65	8.74	257.53	1.07	42.77
4.73	15.48	51.87	0.76	8.66	288.37	1.1	42.79
4.758	15.47	51.86	0.8	8.63	281.37	1.08	42.78
4.81	15.47	51.87	0.69	8.59	297.19	1.16	42.79
4.854	15.47	51.88	0.72	8.55	250.41	1.19	42.8
4.876	15.47	51.9	0.65	8.51	233.42	1.17	42.81
4.884	15.48	51.9	0.69	8.48	229.99	1.17	42.81
4.898	15.48	51.89	0.8	8.47	276.33	1.15	42.8
4.915	15.48	51.9	0.69	8.46	283.33	1.13	42.8
4.929	15.48	51.9	0.61	8.46	264.91	1.14	42.8
4.942	15.48	51.89	0.69	8.46	268.94	1.16	42.8
4.967	15.48	51.89	0.61	8.47	280.0	1.11	42.8
5.007	15.48	51.9	0.84	8.47	261.14	1.06	42.81
5.042	15.48	51.9	0.72	8.46	230.95	1.05	42.81
5.056	15.48	51.91	0.72	8.44	215.69	1.11	42.82
5.057	15.49	51.92	0.69	8.42	251.57	1.3	42.82
5.065	15.49	51.92	0.88	8.4	326.21	1.27	42.82
5.084	15.49	51.92	0.65	8.4	313.9	1.27	42.82
5.119	15.5	51.92	0.88	8.39	266.08	1.24	42.81
5.159	15.5	51.93	0.69	8.39	247.75	1.2	42.82
5.188	15.5	51.93	0.76	8.38	234.94	1.14	42.82
5.194	15.5	51.94	0.69	8.36	293.36	1.17	42.83

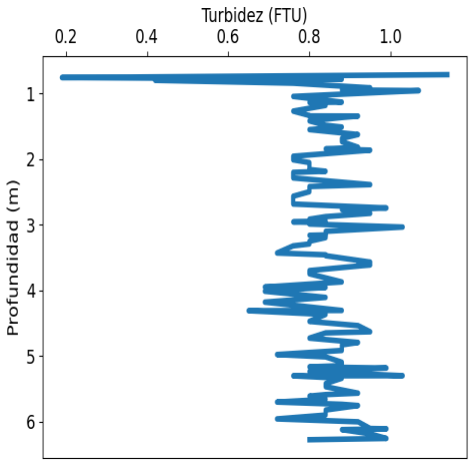
5.199	15.51	51.94	0.8	8.35	259.39	1.17	42.82
5.221	15.51	51.94	0.76	8.34	250.41	1.21	42.82
5.258	15.51	51.94	0.76	8.33	231.0	1.17	42.82
5.29	15.51	51.94	0.69	8.33	253.21	1.2	42.82
5.301	15.51	51.95	0.53	8.34	237.35	1.21	42.83
5.305	15.51	51.96	0.84	8.35	246.26	1.25	42.83
5.314	15.51	51.96	0.57	8.36	246.49	1.23	42.82
5.321	15.52	51.96	0.69	8.37	260.35	1.24	42.82
5.325	15.52	51.95	0.72	8.38	269.69	1.22	42.82

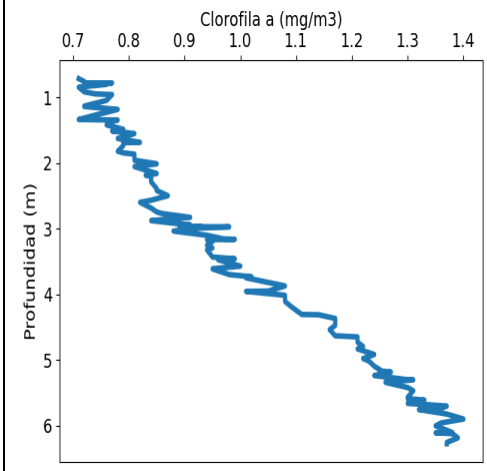
Nombre: CTD N03 - Punto 010 **Fecha: 24/02/2025** **Hora: 10:02:39**

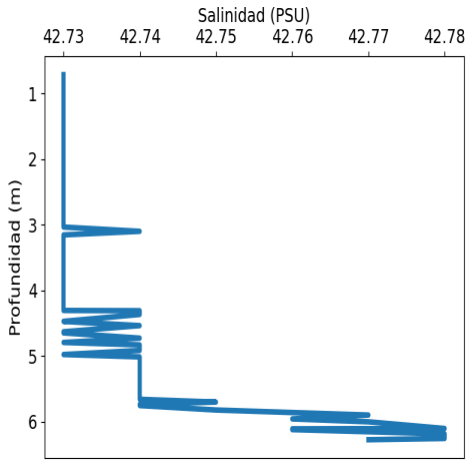


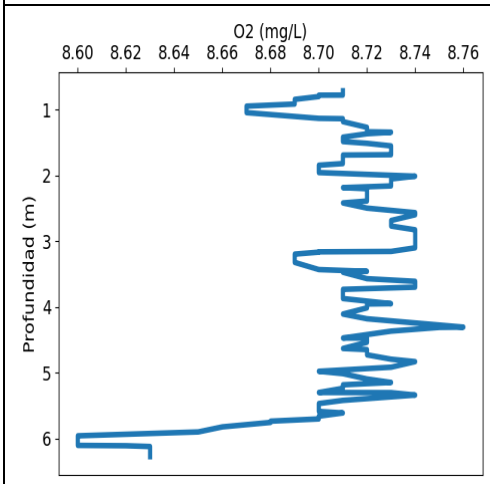


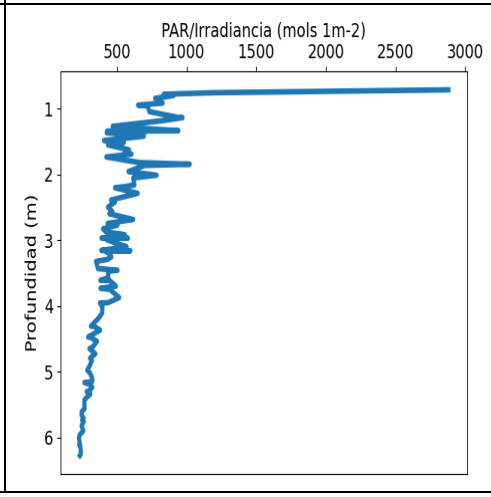












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.29	51.59	0.19	8.6	225.03	0.71	42.73
PROF (metros)	0.71	0.71	0.754	5.96	6.004	0.71	0.71
MÁXIMO	15.37	15.37	1.14	8.76	2880.0	1.4	42.78
PROF (metros)	6.277	6.258	0.71	4.306	0.71	5.901	6.106

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N03 - Punto 010	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.29	51.6	0.79	8.69	1048.93	0.74	42.73
1 - 2m	15.29	51.59	0.85	8.71	648.77	0.77	42.73
2 - 3m	15.29	51.6	0.82	8.73	510.96	0.87	42.73
3 - 4m	15.29	51.59	0.84	8.72	443.7	0.97	42.73
4 - 5m	15.29	51.6	0.82	8.73	331.53	1.17	42.74
5 - 6m	15.3	51.62	0.85	8.7	273.71	1.3	42.74
6 - 7m	15.36	51.72	0.93	8.62	232.22	1.37	42.77

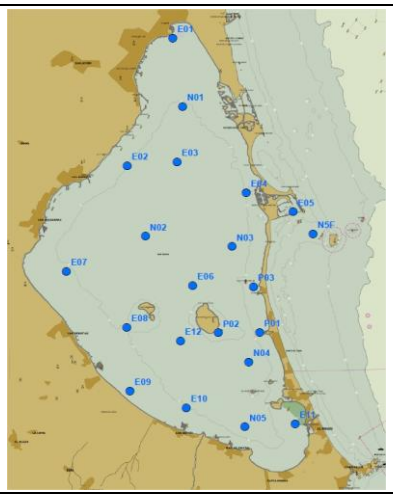
OBSERVACIONES GENERALES

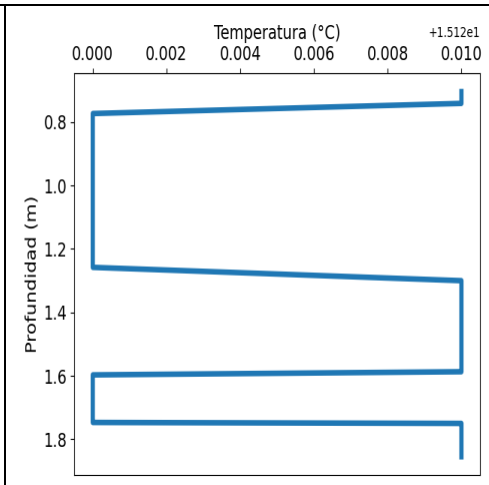
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.71	15.29	51.59	1.14	8.71	2880.0	0.71	42.73
0.754	15.29	51.6	0.19	8.71	1190.9	0.72	42.73
0.775	15.29	51.6	0.76	8.71	868.52	0.72	42.73
0.776	15.29	51.6	0.84	8.7	843.53	0.77	42.73
0.779	15.29	51.59	0.88	8.7	833.61	0.73	42.73
0.797	15.29	51.59	0.42	8.7	904.27	0.76	42.73
0.84	15.29	51.6	0.76	8.69	772.95	0.71	42.73
0.911	15.29	51.6	0.95	8.69	827.45	0.72	42.73
0.943	15.29	51.59	0.88	8.67	650.07	0.74	42.73
0.953	15.29	51.59	1.07	8.67	718.03	0.77	42.73
1.042	15.29	51.6	0.76	8.67	731.13	0.76	42.73
1.129	15.29	51.59	0.88	8.7	936.47	0.72	42.73
1.134	15.29	51.59	0.8	8.71	969.83	0.72	42.73
1.179	15.29	51.6	0.84	8.71	823.82	0.78	42.73
1.266	15.29	51.6	0.76	8.72	467.43	0.74	42.73
1.333	15.29	51.6	0.8	8.72	939.95	0.71	42.73
1.339	15.29	51.6	0.8	8.73	426.64	0.76	42.73
1.341	15.29	51.59	0.92	8.73	708.11	0.78	42.73
1.363	15.29	51.59	0.88	8.72	424.47	0.77	42.73
1.415	15.29	51.59	0.8	8.71	692.05	0.76	42.73
1.482	15.29	51.59	0.84	8.71	404.96	0.79	42.73
1.509	15.29	51.59	0.88	8.72	548.12	0.77	42.73
1.548	15.29	51.59	0.8	8.73	433.62	0.81	42.73
1.623	15.29	51.59	0.92	8.73	584.73	0.78	42.73
1.682	15.29	51.59	0.88	8.73	550.41	0.82	42.73
1.687	15.29	51.59	0.88	8.71	603.32	0.79	42.73
1.732	15.29	51.59	0.88	8.71	421.92	0.79	42.73
1.817	15.29	51.6	0.92	8.71	659.32	0.78	42.73
1.842	15.29	51.6	0.84	8.7	1021.5	0.79	42.73
1.861	15.29	51.6	0.95	8.7	695.1	0.81	42.73
1.954	15.29	51.6	0.76	8.7	581.22	0.81	42.73
2.009	15.29	51.6	0.76	8.74	783.41	0.85	42.73
2.051	15.29	51.6	0.8	8.73	614.89	0.81	42.73
2.157	15.29	51.6	0.8	8.73	624.23	0.85	42.73
2.183	15.29	51.6	0.84	8.71	555.92	0.83	42.73

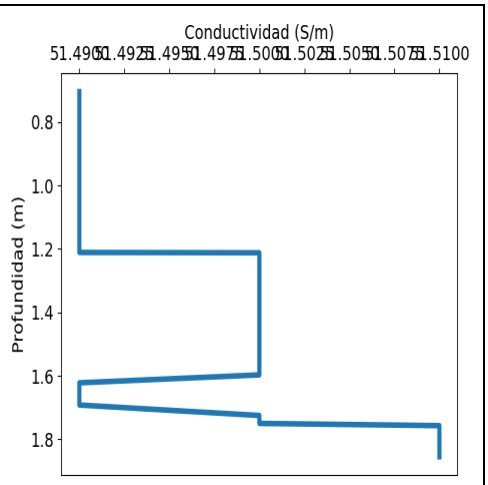
2.2	15.29	51.6	0.76	8.72	484.53	0.84	42.73
2.285	15.29	51.6	0.76	8.72	647.81	0.84	42.73
2.387	15.29	51.6	0.95	8.72	455.98	0.85	42.73
2.416	15.29	51.6	0.8	8.71	484.53	0.85	42.73
2.495	15.29	51.6	0.8	8.72	433.52	0.87	42.73
2.564	15.29	51.6	0.76	8.74	466.24	0.84	42.73
2.596	15.29	51.6	0.76	8.74	443.37	0.82	42.73
2.683	15.29	51.6	0.76	8.73	615.32	0.84	42.73
2.743	15.29	51.6	0.99	8.73	430.91	0.85	42.73
2.768	15.29	51.6	0.88	8.73	502.26	0.86	42.73
2.825	15.29	51.6	0.95	8.74	397.98	0.91	42.73
2.875	15.29	51.59	0.84	8.74	422.41	0.84	42.73
2.914	15.29	51.6	0.8	8.74	554.63	0.88	42.73
2.939	15.29	51.59	0.84	8.74	471.68	0.91	42.73
2.956	15.29	51.59	0.76	8.74	507.99	0.89	42.73
2.966	15.29	51.59	0.84	8.74	387.15	0.93	42.73
2.968	15.29	51.59	0.8	8.74	577.59	0.92	42.73
2.97	15.29	51.59	0.8	8.74	466.14	0.98	42.73
2.988	15.29	51.59	0.8	8.74	423.58	0.93	42.73
3.034	15.29	51.59	1.03	8.74	480.06	0.88	42.73
3.099	15.29	51.6	0.84	8.74	567.77	0.94	42.74
3.154	15.29	51.59	0.84	8.73	385.63	0.97	42.73
3.16	15.29	51.59	0.8	8.7	595.4	0.99	42.73
3.165	15.29	51.59	0.84	8.7	415.03	0.94	42.73
3.195	15.29	51.59	0.84	8.69	437.25	0.95	42.73
3.251	15.29	51.59	0.8	8.69	458.53	0.94	42.73
3.292	15.29	51.59	0.8	8.69	427.53	0.95	42.73
3.321	15.29	51.59	0.76	8.69	348.08	0.94	42.73
3.43	15.29	51.59	0.72	8.7	361.57	0.95	42.73
3.457	15.29	51.59	0.84	8.72	502.84	0.99	42.73
3.471	15.29	51.59	0.84	8.71	433.92	0.96	42.73
3.569	15.29	51.59	0.95	8.72	436.14	1.0	42.73
3.609	15.29	51.59	0.92	8.74	379.07	0.95	42.73
3.611	15.29	51.59	0.95	8.74	445.64	0.95	42.73
3.698	15.29	51.59	0.8	8.74	490.98	0.98	42.73
3.731	15.29	51.59	0.8	8.71	379.51	1.02	42.73
3.747	15.29	51.59	0.8	8.71	446.57	1.01	42.73
3.871	15.29	51.59	0.88	8.71	514.51	1.08	42.73
3.949	15.29	51.59	0.69	8.73	435.83	1.05	42.73
3.954	15.29	51.59	0.84	8.72	375.75	1.01	42.73
4.013	15.29	51.59	0.69	8.72	393.58	1.08	42.73
4.107	15.29	51.59	0.84	8.71	391.85	1.08	42.73
4.179	15.29	51.59	0.69	8.72	369.45	1.09	42.73
4.306	15.29	51.6	0.88	8.76	310.86	1.11	42.73
4.31	15.29	51.6	0.65	8.75	335.49	1.14	42.74
4.367	15.29	51.6	0.84	8.73	377.85	1.17	42.74
4.472	15.29	51.6	0.8	8.71	291.26	1.17	42.73
4.473	15.29	51.6	0.8	8.72	305.08	1.17	42.73
4.537	15.29	51.6	0.92	8.72	355.26	1.16	42.74
4.631	15.29	51.6	0.95	8.71	320.89	1.17	42.73
4.648	15.29	51.6	0.84	8.72	300.58	1.21	42.73
4.728	15.29	51.6	0.8	8.72	343.28	1.21	42.74
4.794	15.29	51.6	0.92	8.73	304.58	1.22	42.73
4.831	15.29	51.6	0.88	8.74	318.96	1.21	42.74
4.916	15.29	51.6	0.88	8.73	300.72	1.24	42.74
4.978	15.29	51.6	0.72	8.7	284.78	1.22	42.73
5.014	15.29	51.6	0.84	8.71	303.45	1.23	42.74
5.095	15.29	51.6	0.88	8.72	320.37	1.24	42.74

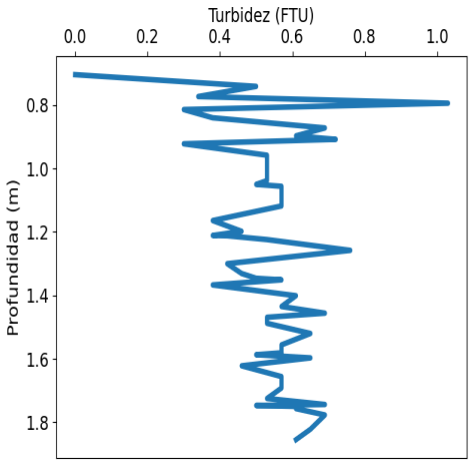
5.148	15.29	51.6	0.88	8.73	321.18	1.25	42.74
5.166	15.29	51.6	0.8	8.72	264.73	1.25	42.74
5.184	15.29	51.6	0.99	8.71	298.16	1.27	42.74
5.237	15.29	51.6	0.8	8.71	321.63	1.24	42.74
5.301	15.29	51.61	1.03	8.7	293.49	1.3	42.74
5.303	15.3	51.61	0.76	8.73	280.65	1.31	42.74
5.34	15.29	51.61	0.88	8.74	307.28	1.26	42.74
5.421	15.3	51.61	0.84	8.71	266.02	1.3	42.74
5.469	15.3	51.61	0.84	8.7	264.36	1.31	42.74
5.567	15.3	51.61	0.92	8.7	265.9	1.3	42.74
5.589	15.3	51.61	0.84	8.7	252.62	1.3	42.74
5.612	15.3	51.61	0.8	8.71	244.95	1.33	42.74
5.661	15.3	51.62	0.84	8.7	244.44	1.3	42.74
5.703	15.3	51.62	0.72	8.7	258.73	1.37	42.75
5.737	15.32	51.64	0.88	8.68	248.04	1.36	42.74
5.756	15.32	51.64	0.92	8.68	260.29	1.32	42.74
5.824	15.34	51.68	0.84	8.66	244.16	1.37	42.75
5.901	15.34	51.69	0.84	8.65	256.75	1.4	42.77
5.96	15.35	51.69	0.72	8.6	230.68	1.36	42.76
6.004	15.34	51.7	0.92	8.6	225.03	1.35	42.77
6.106	15.35	51.71	0.95	8.6	232.99	1.38	42.78
6.111	15.36	51.71	0.99	8.62	227.07	1.35	42.76
6.123	15.36	51.71	0.88	8.63	232.24	1.38	42.76
6.188	15.36	51.72	0.95	8.63	238.23	1.39	42.78
6.258	15.36	51.73	0.99	8.63	237.96	1.37	42.78
6.277	15.37	51.73	0.8	8.63	232.02	1.37	42.77

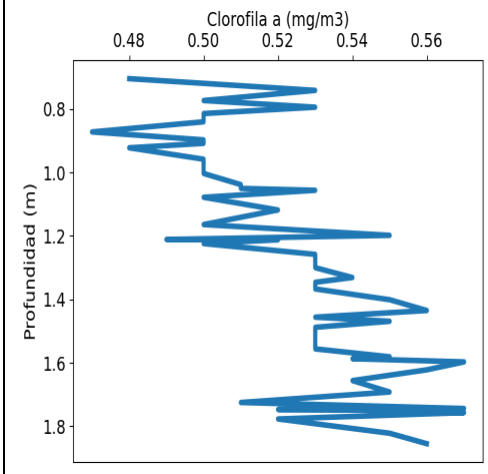
Nombre: CTD P03 - Punto 011 **Fecha: 24/02/2025** **Hora: 10:02:13**

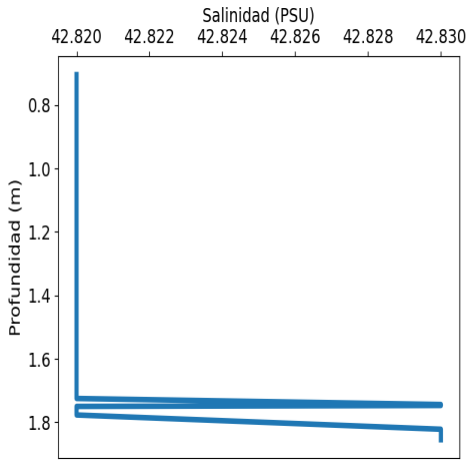


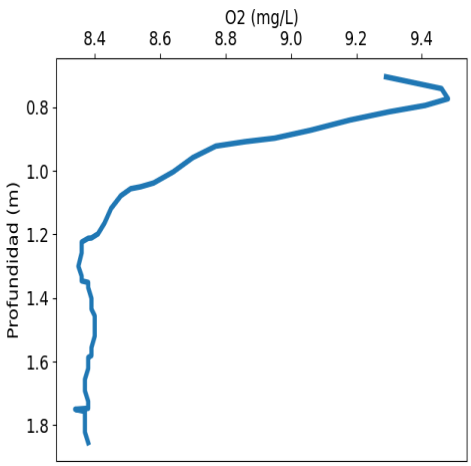


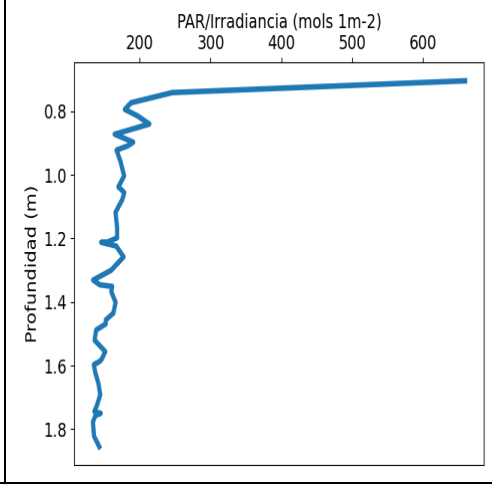


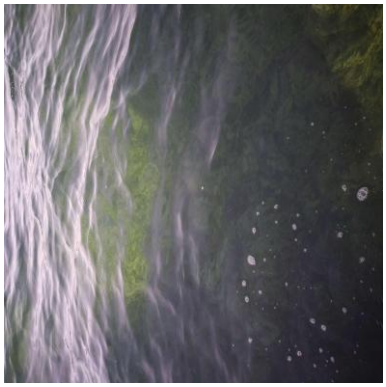












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.12	51.49	0.0	8.34	133.86	0.47	42.82
PROF (metros)	0.773	0.704	0.704	1.75	1.777	0.872	0.704
MÁXIMO	15.13	15.13	1.03	9.48	659.78	0.57	42.83
PROF (metros)	0.704	1.757	0.794	0.773	0.704	1.597	1.744

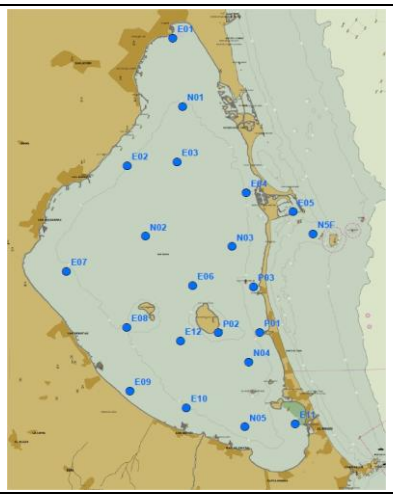
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P03 - Punto 011	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.12	51.49	0.54	9.12	190.18	0.5	42.82
1 - 2m	15.13	51.5	0.55	8.4	152.51	0.53	42.82

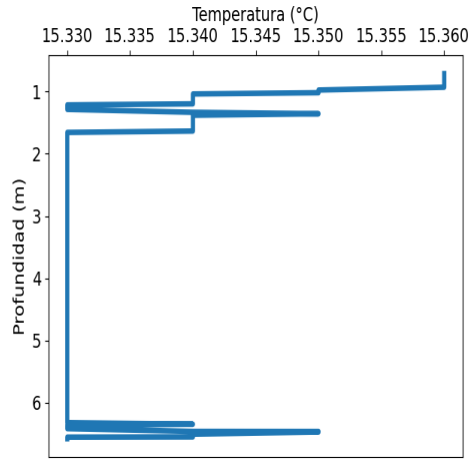
OBSERVACIONES GENERALES

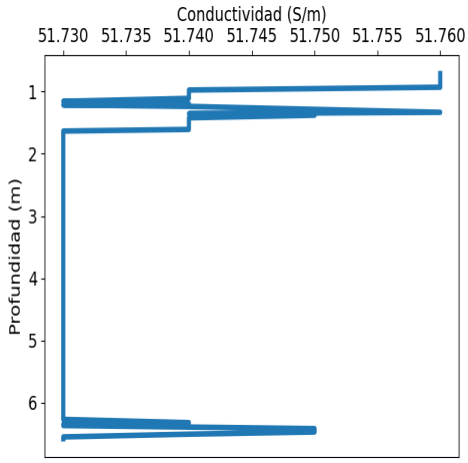
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.704	15.13	51.49	0.0	9.29	659.78	0.48	42.82
0.741	15.13	51.49	0.5	9.46	245.92	0.53	42.82
0.773	15.12	51.49	0.34	9.48	187.73	0.5	42.82
0.794	15.12	51.49	1.03	9.41	178.93	0.53	42.82
0.814	15.12	51.49	0.3	9.3	196.63	0.5	42.82
0.84	15.12	51.49	0.38	9.18	213.55	0.5	42.82
0.872	15.12	51.49	0.69	9.06	164.57	0.47	42.82
0.897	15.12	51.49	0.61	8.95	190.84	0.5	42.82
0.908	15.12	51.49	0.72	8.86	183.6	0.5	42.82
0.922	15.12	51.49	0.3	8.77	167.22	0.48	42.82
0.958	15.12	51.49	0.53	8.7	172.86	0.5	42.82
1.003	15.12	51.49	0.53	8.64	177.9	0.5	42.82
1.038	15.12	51.49	0.53	8.58	169.8	0.51	42.82
1.05	15.12	51.49	0.5	8.54	175.73	0.51	42.82
1.056	15.12	51.49	0.57	8.51	178.15	0.53	42.82
1.078	15.12	51.49	0.57	8.48	175.28	0.5	42.82
1.118	15.12	51.49	0.57	8.45	165.72	0.52	42.82
1.164	15.12	51.49	0.38	8.43	167.96	0.5	42.82
1.198	15.12	51.49	0.46	8.41	168.04	0.55	42.82
1.211	15.12	51.49	0.38	8.39	154.98	0.49	42.82
1.212	15.12	51.5	0.42	8.38	145.48	0.52	42.82
1.224	15.12	51.5	0.53	8.36	166.8	0.5	42.82
1.258	15.12	51.5	0.76	8.36	177.16	0.53	42.82
1.3	15.13	51.5	0.42	8.35	159.61	0.53	42.82
1.331	15.13	51.5	0.46	8.36	134.05	0.54	42.82
1.346	15.13	51.5	0.5	8.36	143.8	0.53	42.82
1.351	15.13	51.5	0.57	8.38	161.06	0.53	42.82
1.367	15.13	51.5	0.38	8.38	159.76	0.53	42.82
1.401	15.13	51.5	0.61	8.39	165.87	0.55	42.82
1.435	15.13	51.5	0.57	8.39	162.71	0.56	42.82
1.456	15.13	51.5	0.69	8.4	152.1	0.53	42.82
1.469	15.13	51.5	0.53	8.4	151.92	0.55	42.82
1.488	15.13	51.5	0.53	8.4	138.41	0.53	42.82
1.52	15.13	51.5	0.65	8.4	136.18	0.53	42.82
1.556	15.13	51.5	0.57	8.39	151.26	0.53	42.82
1.581	15.13	51.5	0.57	8.39	145.99	0.55	42.82
1.587	15.13	51.5	0.5	8.38	143.2	0.54	42.82
1.597	15.12	51.5	0.65	8.38	135.17	0.57	42.82
1.622	15.12	51.49	0.46	8.38	137.16	0.56	42.82
1.656	15.12	51.49	0.57	8.37	141.62	0.54	42.82

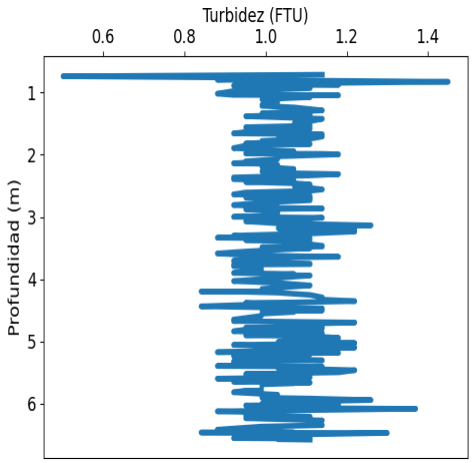
1.692	15.12	51.49	0.57	8.37	144.17	0.55	42.82
1.725	15.12	51.5	0.53	8.38	139.57	0.51	42.82
1.744	15.12	51.5	0.69	8.38	135.9	0.57	42.83
1.747	15.12	51.5	0.5	8.38	138.44	0.52	42.83
1.75	15.13	51.5	0.61	8.34	144.97	0.55	42.82
1.757	15.13	51.51	0.61	8.37	137.42	0.57	42.82
1.777	15.13	51.51	0.69	8.37	133.86	0.52	42.82
1.822	15.13	51.51	0.65	8.37	135.36	0.55	42.83
1.855	15.13	51.51	0.61	8.38	142.77	0.56	42.83

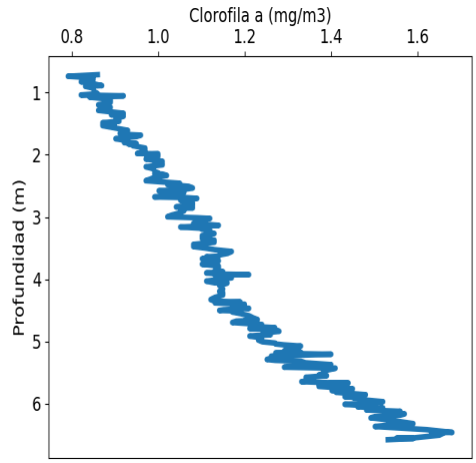
Nombre: CTD E06 - Punto 012 **Fecha: 24/02/2025** **Hora: 10:02:15**

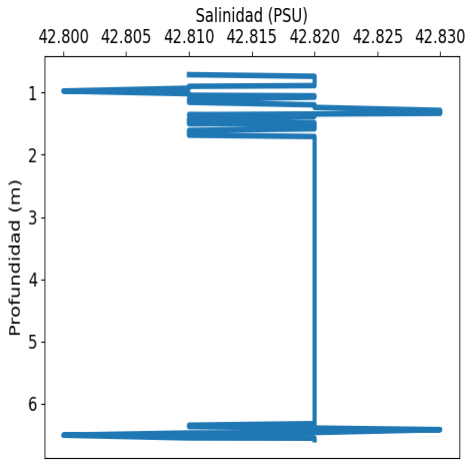


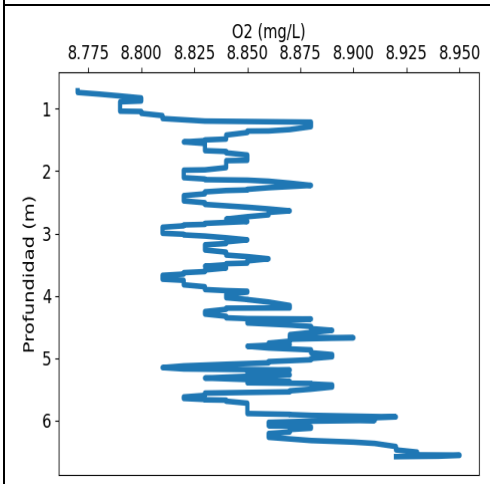


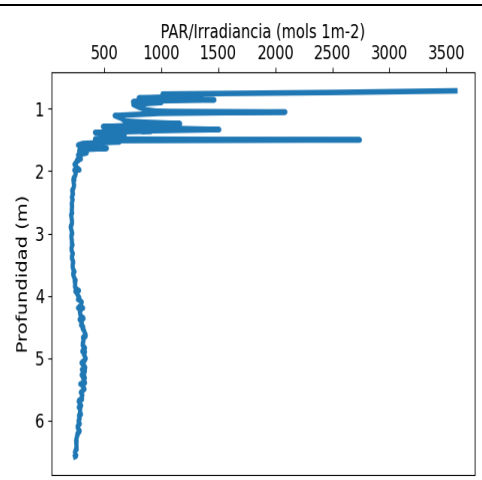












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.33	51.73	0.5	8.77	204.82	0.79	42.8
PROF (metros)	1.214	1.156	0.738	0.712	2.899	0.738	0.975
MÁXIMO	15.36	15.36	1.45	8.95	3579.4	1.68	42.83
PROF (metros)	0.712	0.712	0.826	6.552	0.712	6.46	1.286

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E06 - Punto 012	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.36	51.76	1.02	8.79	1355.7	0.84	42.81
1 - 2m	15.34	51.74	1.04	8.84	617.56	0.91	42.82
2 - 3m	15.33	51.73	1.03	8.84	220.77	1.03	42.82
3 - 4m	15.33	51.73	1.05	8.83	230.45	1.12	42.82
4 - 5m	15.33	51.73	1.03	8.87	308.23	1.19	42.82
5 - 6m	15.33	51.73	1.03	8.86	303.73	1.36	42.82
6 - 7m	15.33	51.73	1.05	8.89	261.99	1.55	42.82

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)
0.712	15.36	51.76	1.14	8.77	3579.4	0.86	42.81
0.738	15.36	51.76	0.5	8.77	2522.4	0.79	42.82
0.764	15.36	51.76	1.03	8.78	1010.2	0.85	42.82
0.794	15.36	51.76	0.88	8.79	1351.3	0.85	42.82
0.826	15.36	51.76	1.45	8.8	801.41	0.82	42.82
0.857	15.36	51.76	0.99	8.8	1465.4	0.85	42.82
0.875	15.36	51.76	1.18	8.8	873.17	0.86	42.82
0.888	15.36	51.76	0.92	8.79	751.4	0.87	42.82
0.899	15.36	51.76	1.11	8.79	1000.7	0.83	42.81
0.93	15.36	51.76	1.11	8.79	753.49	0.85	42.81
0.975	15.35	51.74	0.92	8.79	803.82	0.85	42.8
1.018	15.35	51.74	0.88	8.79	871.14	0.86	42.81
1.038	15.34	51.74	0.92	8.79	953.34	0.82	42.81
1.043	15.34	51.74	1.18	8.8	1070.2	0.85	42.81
1.052	15.34	51.74	0.99	8.8	2087.7	0.92	42.82
1.073	15.34	51.74	1.11	8.8	984.09	0.84	42.82
1.109	15.34	51.74	0.99	8.81	590.59	0.89	42.81
1.156	15.34	51.73	1.03	8.81	653.39	0.89	42.81
1.197	15.34	51.74	0.99	8.83	679.65	0.86	42.82
1.214	15.33	51.73	0.99	8.88	834.19	0.88	42.82
1.238	15.33	51.74	1.07	8.88	1165.0	0.89	42.82
1.286	15.33	51.75	1.14	8.88	487.23	0.86	42.83
1.333	15.34	51.76	0.99	8.87	1508.2	0.92	42.83
1.355	15.35	51.74	1.11	8.86	828.8	0.89	42.81
1.357	15.35	51.75	1.07	8.85	913.75	0.89	42.81
1.38	15.34	51.75	0.95	8.85	417.64	0.92	42.82
1.421	15.34	51.74	1.14	8.84	677.92	0.9	42.81
1.46	15.34	51.74	1.11	8.84	563.05	0.91	42.81
1.485	15.34	51.74	1.07	8.84	418.03	0.87	42.82
1.499	15.34	51.74	1.07	8.83	2741.2	0.9	42.81
1.511	15.34	51.74	1.07	8.83	435.53	0.87	42.82
1.531	15.34	51.74	1.11	8.82	632.82	0.87	42.82
1.556	15.34	51.74	0.95	8.83	311.43	0.89	42.82
1.582	15.34	51.74	1.11	8.83	268.87	0.91	42.82
1.608	15.34	51.74	0.95	8.83	310.93	0.93	42.81

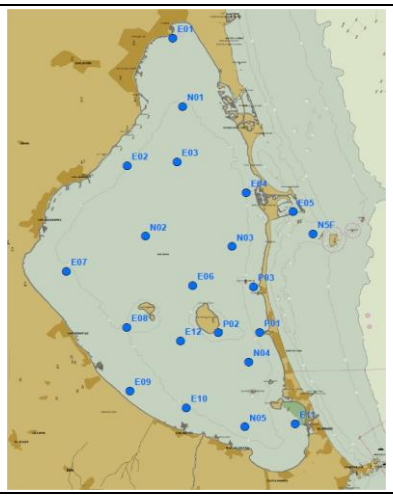
1.634	15.34	51.73	0.95	8.83	522.44	0.92	42.81
1.656	15.33	51.73	0.92	8.83	287.03	0.91	42.81
1.671	15.33	51.73	1.14	8.83	278.84	0.92	42.81
1.684	15.33	51.73	1.03	8.84	322.15	0.96	42.81
1.706	15.33	51.73	1.14	8.84	345.83	0.95	42.82
1.741	15.33	51.73	1.11	8.85	269.12	0.9	42.82
1.776	15.33	51.73	0.99	8.85	275.88	0.93	42.82
1.804	15.33	51.73	0.99	8.85	294.99	0.92	42.82
1.82	15.33	51.73	0.95	8.85	261.44	0.95	42.82
1.826	15.33	51.73	1.11	8.85	265.41	0.93	42.82
1.832	15.33	51.73	0.95	8.84	271.32	0.95	42.82
1.853	15.33	51.73	0.95	8.84	254.74	0.94	42.82
1.892	15.33	51.73	0.92	8.84	238.01	0.97	42.82
1.943	15.33	51.73	1.07	8.84	260.29	0.97	42.82
1.979	15.33	51.73	0.95	8.83	282.15	0.95	42.82
1.984	15.33	51.73	1.14	8.82	236.36	1.0	42.82
1.993	15.33	51.73	1.18	8.82	249.31	0.97	42.82
2.025	15.33	51.73	1.03	8.82	250.17	1.0	42.82
2.068	15.33	51.73	1.03	8.82	246.03	0.97	42.82
2.104	15.33	51.73	0.95	8.82	232.67	1.01	42.82
2.125	15.33	51.73	0.95	8.83	228.55	0.99	42.82
2.136	15.33	51.73	0.92	8.83	236.8	1.0	42.82
2.144	15.33	51.73	0.99	8.85	237.57	1.01	42.82
2.161	15.33	51.73	1.03	8.86	229.19	1.01	42.82
2.192	15.33	51.73	0.99	8.87	231.59	0.97	42.82
2.228	15.33	51.73	1.07	8.88	235.22	0.99	42.82
2.265	15.33	51.73	0.99	8.86	230.74	0.99	42.82
2.291	15.33	51.73	1.03	8.85	223.78	1.0	42.82
2.301	15.33	51.73	1.11	8.85	218.86	0.99	42.82
2.31	15.33	51.73	1.18	8.84	218.0	1.01	42.82
2.332	15.33	51.73	1.11	8.83	220.59	1.02	42.82
2.363	15.33	51.73	0.92	8.83	225.92	0.99	42.82
2.392	15.33	51.73	0.92	8.82	220.39	0.98	42.82
2.416	15.33	51.73	1.07	8.82	215.29	0.97	42.82
2.437	15.33	51.73	0.95	8.82	218.2	1.01	42.82
2.457	15.33	51.73	1.07	8.82	222.64	1.05	42.82
2.477	15.33	51.73	1.11	8.82	219.37	1.02	42.82
2.506	15.33	51.73	1.07	8.83	215.59	1.07	42.82
2.533	15.33	51.73	1.11	8.83	214.49	1.08	42.82
2.556	15.33	51.73	1.14	8.84	217.39	1.06	42.82
2.578	15.33	51.73	1.11	8.85	216.69	1.0	42.82
2.605	15.33	51.73	0.95	8.86	215.19	1.06	42.82
2.636	15.33	51.73	0.92	8.87	214.04	1.04	42.82
2.661	15.33	51.73	1.11	8.86	216.99	1.03	42.82
2.677	15.33	51.73	1.11	8.86	217.34	0.99	42.82
2.686	15.33	51.73	0.95	8.86	213.4	1.06	42.82
2.7	15.33	51.73	1.11	8.86	208.75	1.09	42.82
2.73	15.33	51.73	1.11	8.85	211.09	1.05	42.82
2.768	15.33	51.73	0.99	8.84	214.29	1.08	42.82
2.807	15.33	51.73	0.92	8.85	216.09	1.08	42.82
2.837	15.33	51.73	1.03	8.83	216.39	1.04	42.82
2.853	15.33	51.73	1.03	8.83	214.44	1.08	42.82
2.862	15.33	51.73	1.14	8.82	211.92	1.05	42.82
2.876	15.33	51.73	0.95	8.82	207.26	1.05	42.82
2.899	15.33	51.73	1.03	8.81	204.82	1.06	42.82
2.932	15.33	51.73	1.03	8.81	210.01	1.05	42.82
2.969	15.33	51.73	1.03	8.81	215.29	1.03	42.82
2.996	15.33	51.73	0.92	8.81	218.55	1.02	42.82

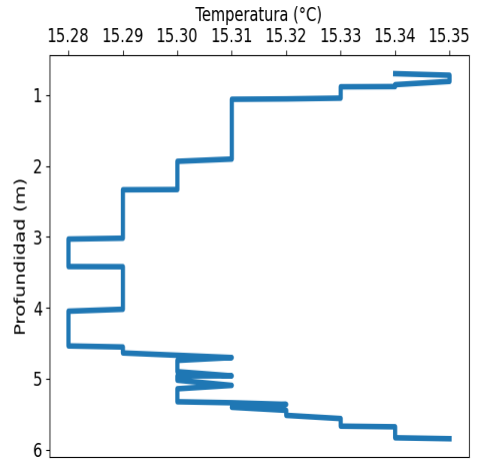
3.011	15.33	51.73	1.14	8.82	216.89	1.09	42.82
3.022	15.33	51.73	1.11	8.82	211.87	1.12	42.82
3.04	15.33	51.73	1.11	8.83	211.09	1.09	42.82
3.068	15.33	51.73	0.95	8.84	211.77	1.11	42.82
3.101	15.33	51.73	1.03	8.85	214.44	1.08	42.82
3.133	15.33	51.73	1.26	8.84	215.49	1.14	42.82
3.16	15.33	51.73	1.11	8.84	215.39	1.05	42.82
3.18	15.33	51.73	1.03	8.83	221.46	1.1	42.82
3.195	15.33	51.73	1.22	8.83	217.85	1.1	42.82
3.21	15.33	51.73	1.14	8.83	215.04	1.12	42.82
3.233	15.33	51.73	1.22	8.83	212.17	1.11	42.82
3.264	15.33	51.73	1.11	8.83	212.56	1.13	42.82
3.298	15.33	51.73	0.92	8.84	217.64	1.1	42.82
3.32	15.33	51.73	0.95	8.84	223.94	1.1	42.82
3.332	15.33	51.73	0.88	8.84	223.06	1.12	42.82
3.345	15.33	51.73	1.11	8.84	219.01	1.1	42.82
3.37	15.33	51.73	0.95	8.85	215.64	1.13	42.82
3.405	15.33	51.73	1.11	8.86	216.64	1.13	42.82
3.439	15.33	51.73	1.11	8.85	225.29	1.08	42.82
3.461	15.33	51.73	1.14	8.85	227.13	1.1	42.82
3.474	15.33	51.73	1.14	8.85	226.76	1.08	42.82
3.483	15.33	51.73	0.99	8.84	222.85	1.09	42.82
3.5	15.33	51.73	1.11	8.84	222.13	1.11	42.82
3.524	15.33	51.73	1.03	8.83	221.77	1.13	42.82
3.553	15.33	51.73	0.95	8.84	224.15	1.17	42.82
3.584	15.33	51.73	0.88	8.83	228.61	1.16	42.82
3.61	15.33	51.73	0.95	8.83	238.23	1.14	42.82
3.627	15.33	51.73	1.07	8.82	233.59	1.14	42.82
3.639	15.33	51.73	1.18	8.82	226.6	1.11	42.82
3.65	15.33	51.73	1.03	8.82	226.6	1.12	42.82
3.67	15.33	51.73	1.03	8.81	228.39	1.1	42.82
3.703	15.33	51.73	0.92	8.81	235.43	1.14	42.82
3.732	15.33	51.73	1.03	8.81	240.4	1.12	42.82
3.75	15.33	51.73	1.11	8.82	248.96	1.13	42.82
3.757	15.33	51.73	1.11	8.82	246.03	1.1	42.82
3.765	15.33	51.73	0.92	8.82	239.51	1.11	42.82
3.788	15.33	51.73	0.92	8.82	244.73	1.14	42.82
3.822	15.33	51.73	0.99	8.82	243.99	1.14	42.82
3.853	15.33	51.73	0.99	8.83	242.47	1.13	42.82
3.878	15.33	51.73	0.95	8.83	250.64	1.15	42.82
3.898	15.33	51.73	0.92	8.83	262.11	1.11	42.82
3.915	15.33	51.73	1.07	8.84	277.81	1.14	42.82
3.925	15.33	51.73	1.03	8.85	258.55	1.21	42.82
3.928	15.33	51.73	1.03	8.85	245.92	1.14	42.82
3.939	15.33	51.73	1.11	8.85	256.28	1.13	42.82
3.976	15.33	51.73	1.03	8.84	263.63	1.17	42.82
4.029	15.33	51.73	0.92	8.84	280.72	1.11	42.82
4.057	15.33	51.73	1.03	8.85	268.25	1.13	42.82
4.059	15.33	51.73	1.03	8.85	276.14	1.16	42.82
4.098	15.33	51.73	1.11	8.86	301.91	1.14	42.82
4.154	15.33	51.73	0.99	8.87	294.04	1.15	42.82
4.193	15.33	51.73	0.99	8.87	269.06	1.14	42.82
4.195	15.33	51.73	0.84	8.84	314.12	1.14	42.82
4.196	15.33	51.73	0.92	8.84	300.72	1.14	42.82
4.215	15.33	51.73	1.03	8.84	294.24	1.15	42.82
4.251	15.33	51.73	1.11	8.83	285.05	1.15	42.82
4.291	15.33	51.73	1.14	8.83	288.44	1.13	42.82
4.326	15.33	51.73	1.14	8.84	292.75	1.12	42.82

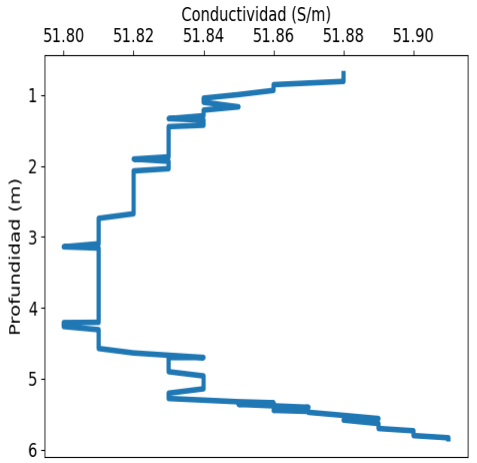
4.351	15.33	51.73	1.22	8.84	315.14	1.13	42.82
4.364	15.33	51.73	1.11	8.85	317.7	1.19	42.82
4.37	15.33	51.73	1.07	8.88	295.75	1.17	42.82
4.379	15.33	51.73	0.95	8.85	282.94	1.13	42.82
4.401	15.33	51.73	0.99	8.85	296.02	1.2	42.82
4.434	15.33	51.73	0.84	8.85	302.75	1.17	42.82
4.467	15.33	51.73	1.14	8.87	295.4	1.21	42.82
4.489	15.33	51.73	0.99	8.88	313.1	1.15	42.82
4.5	15.33	51.73	1.14	8.88	314.99	1.14	42.82
4.508	15.33	51.73	1.03	8.88	313.9	1.18	42.82
4.525	15.33	51.73	1.07	8.88	309.99	1.17	42.82
4.552	15.33	51.73	0.99	8.89	321.41	1.19	42.82
4.586	15.33	51.73	0.99	8.88	327.04	1.21	42.82
4.621	15.33	51.73	0.95	8.87	336.19	1.22	42.82
4.647	15.33	51.73	0.92	8.87	336.73	1.23	42.82
4.66	15.33	51.73	0.95	8.88	329.25	1.2	42.82
4.663	15.33	51.73	0.95	8.87	313.03	1.21	42.82
4.671	15.33	51.73	0.92	8.9	318.44	1.18	42.82
4.694	15.33	51.73	1.22	8.87	316.31	1.17	42.82
4.726	15.33	51.73	1.03	8.87	317.34	1.24	42.82
4.757	15.33	51.73	1.14	8.86	311.07	1.22	42.82
4.777	15.33	51.73	0.95	8.87	311.36	1.27	42.82
4.79	15.33	51.73	1.14	8.86	309.56	1.21	42.82
4.807	15.33	51.73	0.95	8.85	314.99	1.27	42.82
4.835	15.33	51.73	0.92	8.86	330.86	1.28	42.82
4.865	15.33	51.73	1.14	8.88	314.19	1.24	42.82
4.89	15.33	51.73	1.11	8.88	306.64	1.26	42.82
4.899	15.33	51.73	0.95	8.88	324.4	1.24	42.82
4.9	15.33	51.73	0.99	8.88	331.16	1.23	42.82
4.912	15.33	51.73	1.11	8.88	317.7	1.21	42.82
4.941	15.33	51.73	1.18	8.89	321.63	1.24	42.82
4.975	15.33	51.73	1.07	8.89	329.55	1.23	42.82
5.004	15.33	51.73	1.03	8.88	336.97	1.24	42.82
5.024	15.33	51.73	1.22	8.88	330.7	1.27	42.82
5.038	15.33	51.73	1.11	8.87	328.18	1.27	42.82
5.053	15.33	51.73	0.92	8.86	309.85	1.29	42.82
5.073	15.33	51.73	0.99	8.86	299.89	1.33	42.82
5.096	15.33	51.73	1.22	8.84	309.2	1.3	42.82
5.122	15.33	51.73	0.99	8.82	324.85	1.3	42.82
5.149	15.33	51.73	1.03	8.81	333.01	1.29	42.82
5.171	15.33	51.73	0.88	8.82	323.87	1.33	42.82
5.182	15.33	51.73	1.18	8.85	302.96	1.27	42.82
5.188	15.33	51.73	0.92	8.87	313.97	1.27	42.82
5.204	15.33	51.73	1.11	8.85	330.17	1.4	42.82
5.234	15.33	51.73	0.92	8.85	324.48	1.26	42.82
5.266	15.33	51.73	1.03	8.87	300.72	1.26	42.82
5.288	15.33	51.73	1.07	8.85	307.56	1.25	42.82
5.302	15.33	51.73	1.14	8.84	326.89	1.27	42.82
5.317	15.33	51.73	0.92	8.83	329.78	1.33	42.82
5.341	15.33	51.73	0.92	8.85	316.09	1.34	42.82
5.371	15.33	51.73	0.99	8.87	323.5	1.4	42.82
5.393	15.33	51.73	0.88	8.85	331.47	1.35	42.82
5.404	15.33	51.73	1.14	8.88	303.1	1.3	42.82
5.412	15.33	51.73	1.03	8.88	289.1	1.29	42.82
5.428	15.33	51.73	1.03	8.89	303.52	1.41	42.82
5.46	15.33	51.73	1.22	8.89	317.19	1.39	42.82
5.495	15.33	51.73	1.18	8.88	326.21	1.38	42.82
5.522	15.33	51.73	0.95	8.87	307.56	1.38	42.82

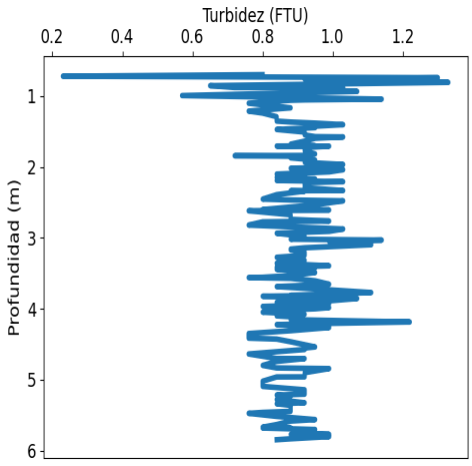
5.538	15.33	51.73	1.07	8.87	297.46	1.37	42.82
5.548	15.33	51.73	1.03	8.85	293.49	1.39	42.82
5.558	15.33	51.73	1.03	8.83	300.58	1.37	42.82
5.574	15.33	51.73	1.11	8.83	304.79	1.34	42.82
5.595	15.33	51.73	0.88	8.83	307.42	1.35	42.82
5.62	15.33	51.73	1.03	8.82	301.28	1.36	42.82
5.644	15.33	51.73	0.92	8.82	303.03	1.33	42.82
5.66	15.33	51.73	1.11	8.83	304.86	1.39	42.82
5.666	15.33	51.73	1.07	8.83	292.81	1.44	42.82
5.671	15.33	51.73	1.07	8.84	279.36	1.4	42.82
5.688	15.33	51.73	0.99	8.84	274.67	1.37	42.82
5.72	15.33	51.73	0.99	8.85	282.61	1.37	42.82
5.759	15.33	51.73	0.99	8.85	296.98	1.45	42.82
5.786	15.33	51.73	0.99	8.85	275.24	1.4	42.82
5.787	15.33	51.73	0.95	8.85	284.25	1.43	42.82
5.815	15.33	51.73	0.92	8.85	288.5	1.41	42.82
5.854	15.33	51.73	1.03	8.85	286.97	1.48	42.82
5.886	15.33	51.73	0.99	8.85	286.1	1.43	42.82
5.899	15.33	51.73	1.03	8.87	295.61	1.46	42.82
5.902	15.33	51.73	0.99	8.87	288.37	1.45	42.82
5.915	15.33	51.73	1.11	8.88	277.55	1.47	42.82
5.94	15.33	51.73	1.26	8.92	279.16	1.48	42.82
5.966	15.33	51.73	1.07	8.9	284.19	1.52	42.82
5.985	15.33	51.73	1.03	8.9	279.61	1.48	42.82
5.996	15.33	51.73	0.99	8.91	274.35	1.47	42.82
6.008	15.33	51.73	1.18	8.88	273.78	1.43	42.82
6.027	15.33	51.73	0.95	8.86	276.07	1.47	42.82
6.049	15.33	51.73	1.03	8.86	285.31	1.46	42.82
6.066	15.33	51.73	1.03	8.87	278.77	1.52	42.82
6.08	15.33	51.73	1.37	8.86	268.56	1.51	42.82
6.099	15.33	51.73	1.14	8.88	265.53	1.48	42.82
6.121	15.33	51.73	0.88	8.88	268.25	1.56	42.82
6.142	15.33	51.73	1.03	8.87	274.22	1.54	42.82
6.162	15.33	51.73	1.03	8.87	284.06	1.57	42.82
6.182	15.33	51.73	0.95	8.87	280.2	1.56	42.82
6.206	15.33	51.73	1.11	8.86	264.61	1.5	42.82
6.227	15.33	51.73	0.99	8.86	266.15	1.49	42.82
6.232	15.33	51.73	0.95	8.86	263.51	1.5	42.82
6.267	15.33	51.73	1.14	8.86	259.03	1.54	42.82
6.319	15.33	51.74	1.11	8.88	252.1	1.59	42.82
6.344	15.34	51.73	1.14	8.9	257.17	1.53	42.81
6.365	15.33	51.73	0.99	8.91	253.33	1.5	42.81
6.415	15.33	51.75	0.88	8.92	256.64	1.62	42.83
6.46	15.34	51.75	1.07	8.92	252.68	1.68	42.82
6.461	15.35	51.75	0.84	8.92	258.07	1.63	42.82
6.469	15.35	51.75	1.3	8.92	249.19	1.66	42.81
6.504	15.34	51.74	0.99	8.93	242.41	1.65	42.8
6.548	15.34	51.73	1.11	8.93	245.92	1.59	42.81
6.552	15.33	51.73	0.92	8.95	250.29	1.55	42.82
6.557	15.33	51.73	1.03	8.95	253.91	1.59	42.82
6.57	15.33	51.73	1.03	8.94	250.64	1.55	42.82
6.577	15.33	51.73	1.11	8.92	243.2	1.53	42.82

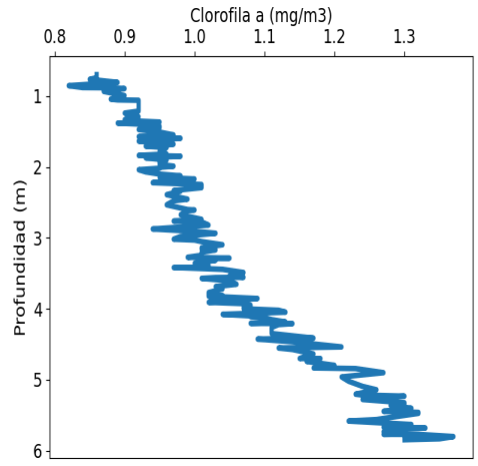
Nombre: CTD E12 - Punto 013 **Fecha: 24/02/2025** **Hora: 10:02:41**

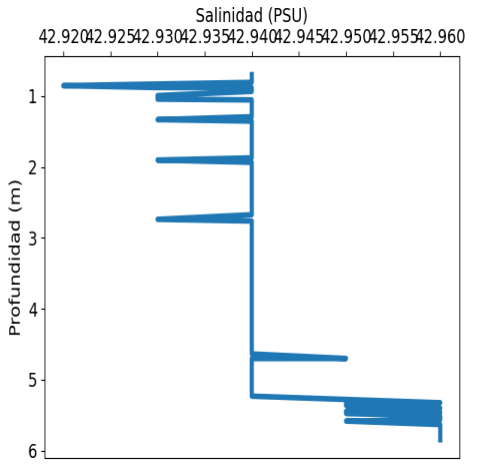


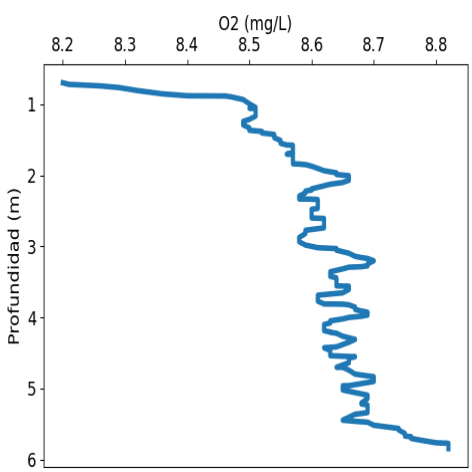


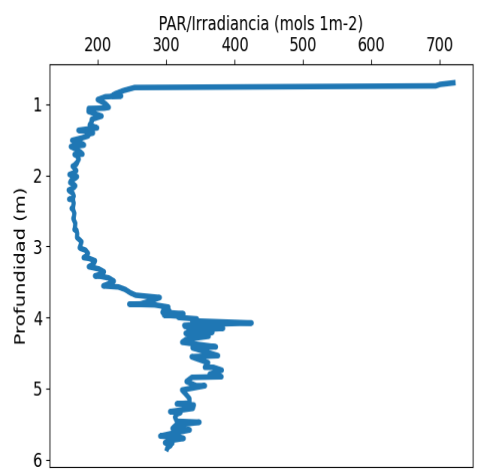


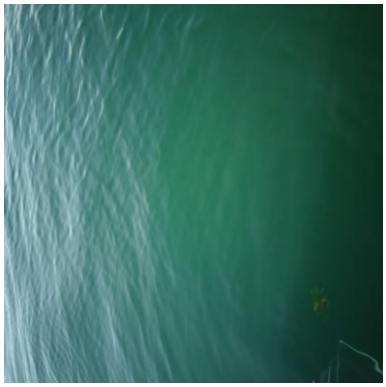












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.28	51.8	0.23	8.2	157.48	0.82	42.92
PROF (metros)	3.032	3.141	0.722	0.7	2.209	0.855	0.855
MÁXIMO	15.35	15.35	1.33	8.82	720.19	1.37	42.96
PROF (metros)	0.722	5.834	0.809	5.771	0.7	5.803	5.326

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E12 - Punto 013	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.34	51.87	0.86	8.36	355.41	0.87	42.94
1 - 2m	15.31	51.83	0.91	8.55	178.58	0.94	42.94
2 - 3m	15.29	51.82	0.91	8.61	165.35	0.98	42.94
3 - 4m	15.29	51.81	0.92	8.65	230.37	1.03	42.94
4 - 5m	15.29	51.82	0.89	8.65	352.17	1.14	42.94
5 - 6m	15.32	51.87	0.87	8.73	316.58	1.29	42.95

OBSERVACIONES GENERALES

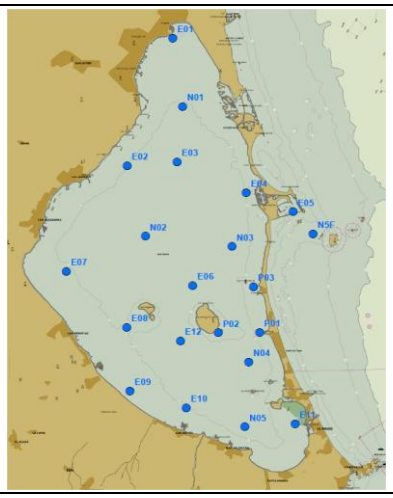
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.7	15.34	51.88	0.8	8.2	720.19	0.86	42.94
0.722	15.35	51.88	0.23	8.21	700.6	0.86	42.94
0.743	15.35	51.88	1.3	8.26	694.14	0.86	42.94
0.766	15.35	51.88	0.92	8.29	253.97	0.85	42.94
0.809	15.35	51.88	1.33	8.32	237.63	0.89	42.94
0.855	15.34	51.86	0.65	8.36	225.29	0.82	42.92
0.882	15.34	51.86	0.72	8.4	221.0	0.84	42.93
0.885	15.33	51.86	1.03	8.46	234.35	0.88	42.94
0.896	15.33	51.86	0.88	8.47	211.14	0.9	42.94
0.936	15.33	51.86	1.07	8.49	199.85	0.87	42.94
0.995	15.33	51.85	0.57	8.5	211.33	0.9	42.93
1.045	15.33	51.84	1.14	8.51	216.29	0.88	42.93
1.056	15.32	51.84	0.92	8.5	209.38	0.89	42.94
1.061	15.31	51.84	0.88	8.51	186.69	0.92	42.94
1.103	15.31	51.84	0.76	8.51	186.43	0.92	42.94
1.168	15.31	51.85	0.88	8.51	205.77	0.92	42.94
1.214	15.31	51.84	0.76	8.5	191.11	0.92	42.94
1.242	15.31	51.84	0.8	8.49	191.46	0.9	42.94
1.293	15.31	51.84	0.84	8.49	188.12	0.92	42.94
1.334	15.31	51.83	0.84	8.5	199.25	0.9	42.93
1.355	15.31	51.84	0.84	8.5	181.23	0.92	42.94
1.368	15.31	51.84	0.88	8.5	171.62	0.95	42.94
1.383	15.31	51.84	0.95	8.52	184.15	0.89	42.94
1.405	15.31	51.84	1.03	8.52	193.29	0.94	42.94
1.427	15.31	51.84	0.95	8.54	184.24	0.95	42.94
1.447	15.31	51.83	0.95	8.54	186.04	0.95	42.94
1.473	15.31	51.83	0.84	8.54	177.53	0.92	42.94
1.51	15.31	51.83	0.92	8.55	162.41	0.95	42.94
1.55	15.31	51.83	0.92	8.55	175.97	0.97	42.94
1.574	15.31	51.83	0.95	8.56	180.1	0.92	42.94
1.578	15.31	51.83	1.03	8.57	178.73	0.93	42.94
1.597	15.31	51.83	0.95	8.57	160.5	0.98	42.94
1.637	15.31	51.83	0.92	8.57	169.09	0.92	42.94
1.68	15.31	51.83	0.88	8.57	175.4	0.97	42.94
1.703	15.31	51.83	0.95	8.56	177.82	0.95	42.94
1.707	15.31	51.83	0.84	8.57	170.43	0.93	42.94

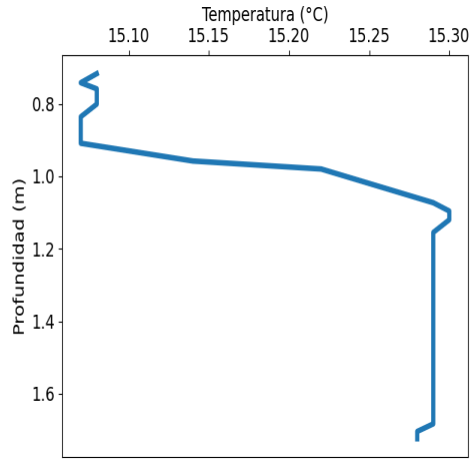
1.708	15.31	51.83	0.99	8.57	165.91	0.93	42.94
1.729	15.31	51.83	0.92	8.57	169.88	0.96	42.94
1.774	15.31	51.83	0.92	8.57	172.3	0.95	42.94
1.818	15.31	51.83	0.95	8.57	170.0	0.96	42.94
1.839	15.31	51.83	0.92	8.57	167.73	0.92	42.94
1.843	15.31	51.83	0.72	8.58	168.98	0.95	42.94
1.85	15.31	51.83	0.88	8.59	167.69	0.98	42.94
1.873	15.31	51.83	0.88	8.6	163.17	0.93	42.94
1.904	15.31	51.82	0.95	8.61	166.33	0.96	42.93
1.936	15.3	51.83	0.92	8.62	168.7	0.95	42.94
1.967	15.3	51.83	1.03	8.64	165.11	0.95	42.94
1.99	15.3	51.83	0.95	8.64	158.58	0.97	42.94
2.007	15.3	51.83	0.99	8.66	164.34	0.95	42.94
2.02	15.3	51.83	0.88	8.66	169.8	0.95	42.94
2.04	15.3	51.83	1.03	8.66	167.38	0.92	42.94
2.071	15.3	51.82	0.99	8.66	161.29	0.93	42.94
2.102	15.3	51.82	0.84	8.65	159.54	0.95	42.94
2.127	15.3	51.82	0.92	8.63	164.72	0.98	42.94
2.149	15.3	51.82	0.84	8.62	167.22	0.95	42.94
2.171	15.3	51.82	0.95	8.61	165.3	1.0	42.94
2.192	15.3	51.82	0.84	8.6	161.55	0.98	42.94
2.209	15.3	51.82	1.03	8.6	157.48	0.99	42.94
2.223	15.3	51.82	0.92	8.59	158.84	0.94	42.94
2.249	15.3	51.82	0.92	8.59	163.2	1.01	42.94
2.293	15.3	51.82	0.92	8.58	164.99	1.01	42.94
2.334	15.3	51.82	1.03	8.58	162.83	0.97	42.94
2.337	15.29	51.82	0.88	8.6	158.1	0.98	42.94
2.342	15.29	51.82	0.92	8.61	163.47	0.98	42.94
2.392	15.29	51.82	0.84	8.61	164.88	0.96	42.94
2.455	15.29	51.82	0.8	8.61	163.73	0.99	42.94
2.467	15.29	51.82	0.88	8.61	161.7	0.98	42.94
2.479	15.29	51.82	1.03	8.6	163.81	0.97	42.94
2.535	15.29	51.82	0.95	8.6	165.83	0.96	42.94
2.602	15.29	51.82	0.8	8.6	164.88	0.99	42.94
2.608	15.29	51.82	0.99	8.62	164.27	1.0	42.94
2.619	15.29	51.82	0.76	8.62	164.61	0.99	42.94
2.675	15.29	51.82	0.88	8.62	167.19	0.98	42.94
2.74	15.29	51.81	0.88	8.62	166.64	1.01	42.93
2.764	15.29	51.81	0.99	8.6	165.8	0.97	42.94
2.775	15.29	51.81	0.8	8.59	169.02	1.01	42.94
2.821	15.29	51.81	0.76	8.59	169.96	1.02	42.94
2.876	15.29	51.81	1.03	8.58	169.64	0.94	42.94
2.909	15.29	51.81	0.99	8.58	173.42	1.0	42.94
2.936	15.29	51.81	0.84	8.58	176.26	1.03	42.94
2.982	15.29	51.81	0.92	8.59	174.87	0.98	42.94
3.02	15.29	51.81	0.88	8.61	173.5	0.97	42.94
3.032	15.28	51.81	1.14	8.64	175.48	1.0	42.94
3.054	15.28	51.81	0.99	8.64	182.07	1.01	42.94
3.098	15.28	51.81	1.11	8.66	185.78	1.04	42.94
3.141	15.28	51.8	0.92	8.67	182.58	1.01	42.94
3.159	15.28	51.81	0.88	8.68	179.31	1.01	42.94
3.171	15.28	51.81	0.88	8.69	187.55	1.03	42.94
3.204	15.28	51.81	0.92	8.7	196.13	1.01	42.94
3.247	15.28	51.81	0.92	8.69	194.01	1.01	42.94
3.275	15.28	51.81	0.84	8.69	189.21	0.99	42.94
3.287	15.28	51.81	0.88	8.68	186.82	1.05	42.94
3.294	15.28	51.81	0.88	8.66	190.22	1.01	42.94
3.318	15.28	51.81	0.92	8.65	201.48	1.03	42.94

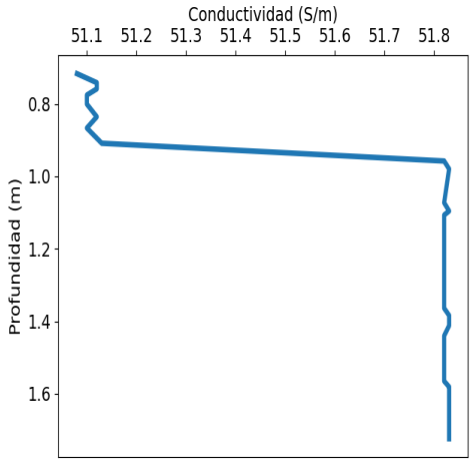
3.359	15.28	51.81	0.84	8.63	209.19	1.0	42.94
3.395	15.28	51.81	0.99	8.63	203.64	1.02	42.94
3.416	15.28	51.81	0.84	8.63	195.82	1.01	42.94
3.42	15.28	51.81	0.95	8.63	196.45	0.97	42.94
3.422	15.29	51.81	0.88	8.63	203.73	0.98	42.94
3.445	15.29	51.81	0.84	8.64	216.04	1.04	42.94
3.49	15.29	51.81	0.95	8.64	223.68	1.07	42.94
3.533	15.29	51.81	0.88	8.64	214.69	1.05	42.94
3.557	15.29	51.81	0.8	8.64	207.98	1.07	42.94
3.561	15.29	51.81	0.76	8.66	213.6	1.03	42.94
3.572	15.29	51.81	0.88	8.66	230.25	1.01	42.94
3.607	15.29	51.81	0.95	8.66	240.06	1.05	42.94
3.655	15.29	51.81	0.99	8.65	247.87	1.06	42.94
3.688	15.29	51.81	0.84	8.61	255.45	1.03	42.94
3.721	15.29	51.81	0.95	8.61	290.85	1.04	42.94
3.772	15.29	51.81	1.11	8.61	276.2	1.02	42.94
3.811	15.29	51.81	0.88	8.62	262.41	1.02	42.94
3.814	15.29	51.81	0.95	8.65	245.92	1.04	42.94
3.824	15.29	51.81	0.8	8.66	283.33	1.02	42.94
3.856	15.29	51.81	1.07	8.67	303.45	1.09	42.94
3.889	15.29	51.81	0.99	8.67	296.02	1.05	42.94
3.91	15.29	51.81	0.84	8.68	305.08	1.02	42.94
3.928	15.29	51.81	0.99	8.69	294.58	1.07	42.94
3.949	15.29	51.81	0.92	8.69	325.46	1.08	42.94
3.968	15.29	51.81	0.8	8.69	296.84	1.08	42.94
3.984	15.29	51.81	0.99	8.68	321.56	1.07	42.94
4.001	15.29	51.81	0.95	8.66	318.0	1.07	42.94
4.022	15.29	51.81	0.84	8.65	345.11	1.12	42.94
4.049	15.28	51.81	0.8	8.63	338.06	1.13	42.94
4.079	15.28	51.81	0.92	8.63	425.16	1.04	42.94
4.101	15.28	51.81	0.84	8.62	345.27	1.08	42.94
4.113	15.28	51.81	0.88	8.62	326.36	1.08	42.94
4.127	15.28	51.81	0.88	8.62	327.35	1.1	42.94
4.154	15.28	51.81	0.88	8.62	383.49	1.11	42.94
4.187	15.28	51.81	1.22	8.62	332.08	1.13	42.94
4.206	15.28	51.81	0.99	8.63	365.19	1.08	42.94
4.21	15.28	51.8	0.95	8.63	367.74	1.14	42.94
4.224	15.28	51.8	0.84	8.64	328.33	1.12	42.94
4.265	15.28	51.8	0.99	8.65	362.41	1.11	42.94
4.31	15.28	51.81	0.88	8.67	329.1	1.11	42.94
4.35	15.28	51.81	0.76	8.66	323.35	1.11	42.94
4.415	15.28	51.81	0.76	8.64	372.97	1.17	42.94
4.428	15.28	51.81	0.84	8.62	338.46	1.09	42.94
4.466	15.28	51.81	0.88	8.63	351.16	1.14	42.94
4.539	15.28	51.81	0.95	8.63	376.1	1.21	42.94
4.554	15.29	51.81	0.92	8.67	337.13	1.12	42.94
4.575	15.29	51.81	0.92	8.66	342.88	1.14	42.94
4.638	15.29	51.82	0.76	8.66	361.57	1.17	42.94
4.702	15.31	51.84	0.84	8.64	356.49	1.15	42.95
4.703	15.31	51.83	0.92	8.65	369.1	1.18	42.94
4.743	15.3	51.83	0.84	8.66	381.54	1.16	42.94
4.799	15.3	51.83	0.8	8.67	363.5	1.2	42.94
4.835	15.3	51.83	0.84	8.7	381.1	1.17	42.94
4.844	15.3	51.83	0.99	8.7	337.67	1.23	42.94
4.902	15.3	51.83	0.92	8.7	329.71	1.27	42.94
4.961	15.31	51.84	0.92	8.66	343.99	1.21	42.94
4.962	15.3	51.84	0.84	8.65	356.91	1.21	42.94
5.022	15.3	51.84	0.8	8.65	323.2	1.22	42.94

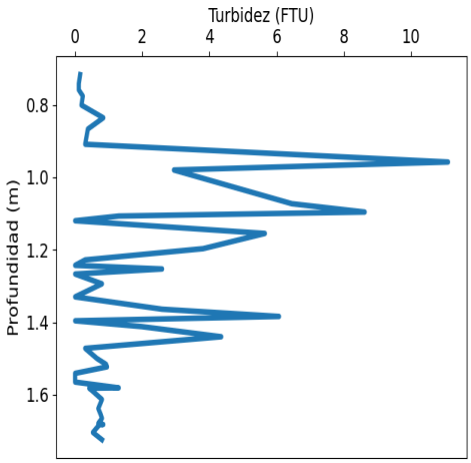
5.095	15.31	51.84	0.8	8.69	330.17	1.24	42.94
5.143	15.3	51.84	0.92	8.69	334.17	1.26	42.94
5.205	15.3	51.83	0.92	8.68	334.25	1.23	42.94
5.217	15.3	51.83	0.84	8.68	315.43	1.24	42.94
5.233	15.3	51.83	0.88	8.69	340.66	1.3	42.94
5.28	15.3	51.83	0.84	8.69	339.24	1.24	42.95
5.326	15.3	51.85	0.92	8.69	305.71	1.3	42.96
5.34	15.31	51.86	0.84	8.69	321.11	1.3	42.95
5.363	15.32	51.85	0.88	8.67	315.58	1.28	42.95
5.404	15.31	51.87	0.88	8.66	312.88	1.31	42.96
5.447	15.32	51.86	0.88	8.65	314.99	1.27	42.95
5.462	15.32	51.87	0.8	8.67	315.65	1.32	42.96
5.475	15.32	51.87	0.76	8.69	348.89	1.32	42.95
5.518	15.32	51.88	0.84	8.7	314.12	1.29	42.96
5.563	15.33	51.89	0.95	8.74	309.2	1.26	42.96
5.584	15.33	51.88	0.88	8.74	334.71	1.22	42.95
5.633	15.33	51.89	0.84	8.75	308.42	1.31	42.96
5.67	15.33	51.89	0.8	8.75	291.26	1.27	42.96
5.679	15.34	51.89	0.88	8.76	304.65	1.3	42.96
5.682	15.34	51.89	0.8	8.76	318.29	1.33	42.96
5.703	15.34	51.89	0.95	8.76	325.83	1.28	42.96
5.735	15.34	51.9	0.92	8.78	304.3	1.27	42.96
5.764	15.34	51.9	0.95	8.8	298.16	1.3	42.96
5.771	15.34	51.9	0.99	8.82	309.2	1.27	42.96
5.772	15.34	51.9	0.88	8.82	300.72	1.32	42.96
5.803	15.34	51.9	0.99	8.82	306.64	1.37	42.96
5.834	15.34	51.91	0.88	8.82	301.84	1.35	42.96
5.847	15.35	51.91	0.84	8.82	301.42	1.3	42.96

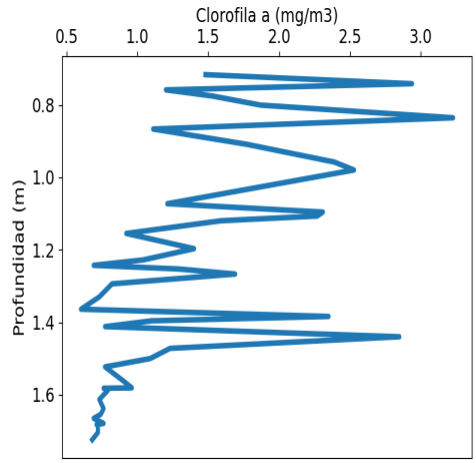
Nombre: CTD P02 - Punto 014 **Fecha: 24/02/2025** **Hora: 10:02:52**

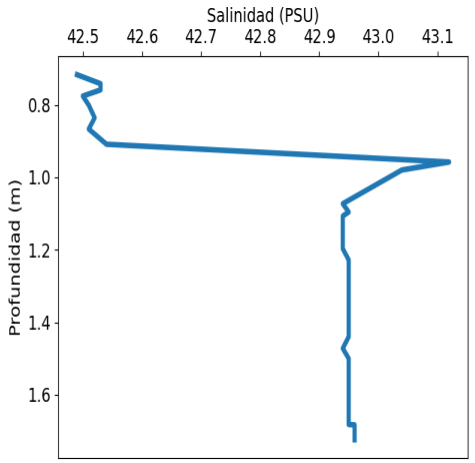


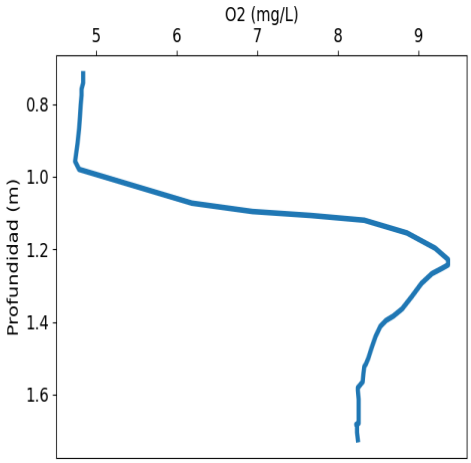


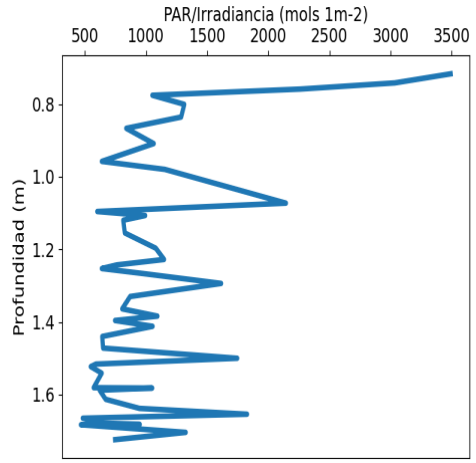












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.07	51.08	0.0	4.74	465.6	0.6	42.49
PROF (metros)	0.742	0.717	1.12	0.958	1.683	1.364	0.717
MÁXIMO	15.3	15.3	11.1	9.37	3491.7	3.23	43.12
PROF (metros)	1.096	0.98	0.958	1.228	0.717	0.836	0.958

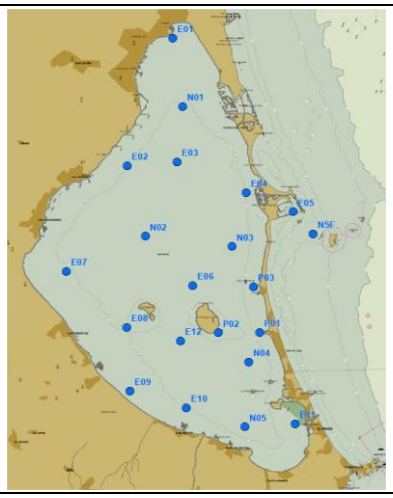
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P02 - Punto 014	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.09	51.25	1.64	4.8	1612.3	2.0	42.63
1 - 2m	15.29	51.83	2.01	8.34	944.66	1.1	42.95

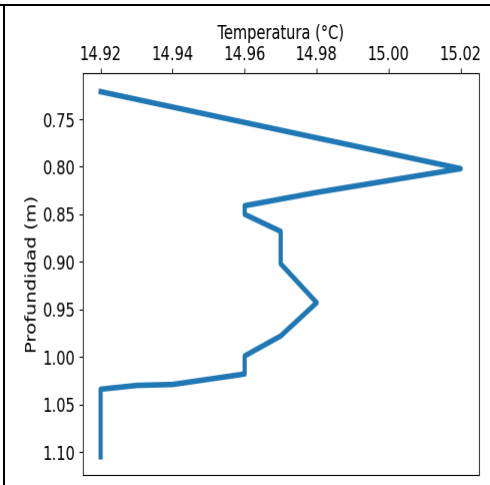
OBSERVACIONES GENERALES

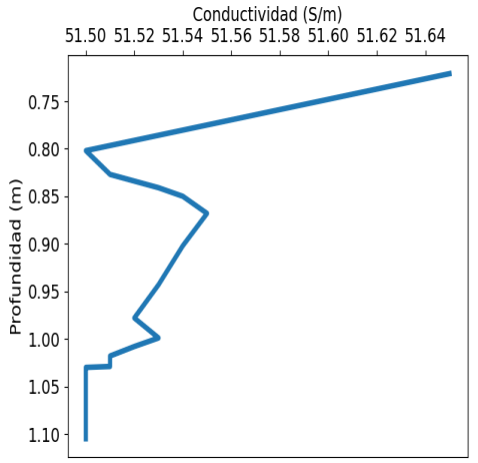
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.717	15.08	51.08	0.15	4.84	3491.7	1.48	42.49
0.742	15.07	51.12	0.11	4.84	3034.2	2.94	42.53
0.759	15.08	51.12	0.11	4.82	2259.4	1.2	42.53
0.776	15.08	51.1	0.23	4.82	1050.3	1.53	42.5
0.801	15.08	51.1	0.19	4.81	1312.1	1.87	42.51
0.836	15.07	51.12	0.84	4.8	1286.5	3.23	42.52
0.867	15.07	51.1	0.38	4.79	836.71	1.11	42.51
0.909	15.07	51.13	0.3	4.77	1062.6	1.77	42.54
0.958	15.14	51.82	11.1	4.74	636.94	2.39	43.12
0.98	15.22	51.83	2.94	4.79	1152.6	2.53	43.04
1.073	15.29	51.82	6.45	6.19	2144.1	1.21	42.94
1.096	15.3	51.83	8.62	6.94	599.69	2.31	42.95
1.107	15.3	51.82	1.3	7.67	992.57	2.27	42.94
1.12	15.3	51.82	0.0	8.33	812.63	1.59	42.94
1.155	15.29	51.82	5.65	8.86	825.54	0.92	42.94
1.197	15.29	51.82	3.81	9.21	1078.7	1.4	42.94
1.228	15.29	51.82	0.3	9.37	1147.0	1.04	42.95
1.243	15.29	51.82	0.0	9.37	759.8	0.69	42.95
1.253	15.29	51.82	2.59	9.29	636.65	1.29	42.95
1.267	15.29	51.82	0.0	9.17	980.22	1.69	42.95
1.294	15.29	51.82	0.8	9.04	1614.1	0.82	42.95
1.33	15.29	51.82	0.0	8.92	869.13	0.73	42.95
1.364	15.29	51.82	2.59	8.8	804.01	0.6	42.95
1.384	15.29	51.83	6.07	8.69	1092.8	2.35	42.95
1.396	15.29	51.83	0.0	8.6	744.98	1.1	42.95
1.412	15.29	51.83	1.98	8.53	1053.5	0.77	42.95
1.44	15.29	51.82	4.35	8.47	640.64	2.85	42.95
1.472	15.29	51.82	0.3	8.42	647.66	1.23	42.94
1.5	15.29	51.82	0.65	8.38	1745.7	1.09	42.95
1.516	15.29	51.82	0.92	8.35	589.22	0.87	42.95
1.523	15.29	51.82	0.95	8.33	546.21	0.77	42.95
1.541	15.29	51.82	0.0	8.32	636.65	0.83	42.95
1.565	15.29	51.82	0.0	8.31	596.92	0.91	42.95
1.581	15.29	51.83	1.3	8.25	570.41	0.96	42.95
1.582	15.29	51.83	0.42	8.25	1050.3	0.76	42.95
1.588	15.29	51.83	0.5	8.25	619.47	0.79	42.95
1.613	15.29	51.83	0.8	8.26	669.02	0.73	42.95
1.638	15.29	51.83	0.69	8.26	945.85	0.76	42.95
1.654	15.29	51.83	0.76	8.26	1826.0	0.74	42.95
1.665	15.29	51.83	0.8	8.26	480.95	0.69	42.95

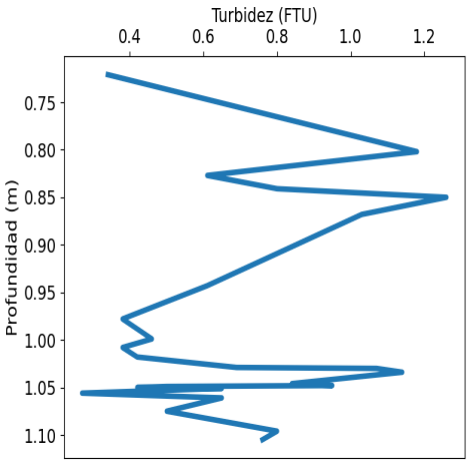
1.679	15.29	51.83	0.69	8.26	646.46	0.76	42.95
1.682	15.29	51.83	0.84	8.23	948.27	0.71	42.95
1.683	15.29	51.83	0.72	8.24	465.6	0.72	42.96
1.704	15.28	51.83	0.53	8.24	1324.0	0.72	42.96
1.724	15.28	51.83	0.8	8.25	746.02	0.68	42.96

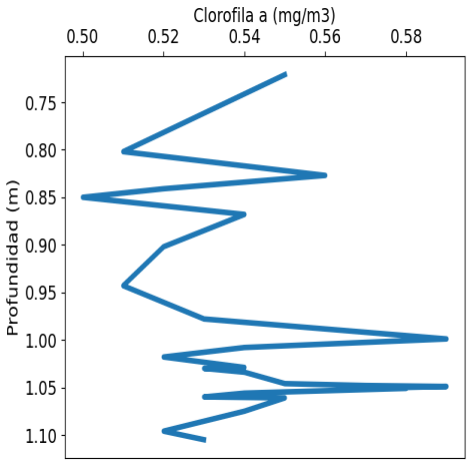
Nombre: CTD P01 - Punto 015 **Fecha: 24/02/2025** **Hora: 10:02:58**

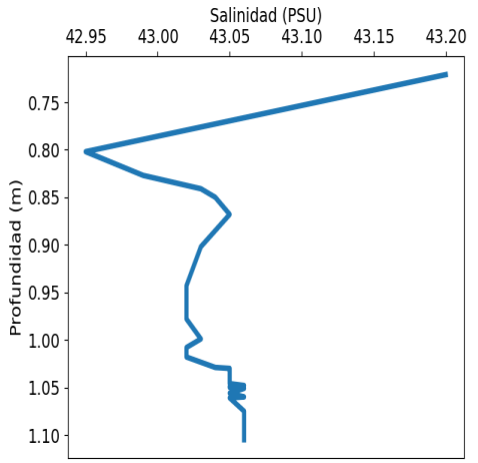


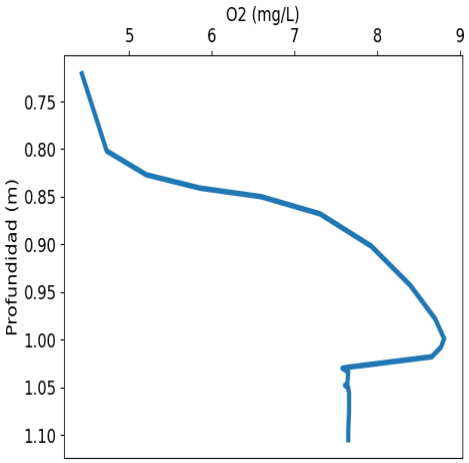


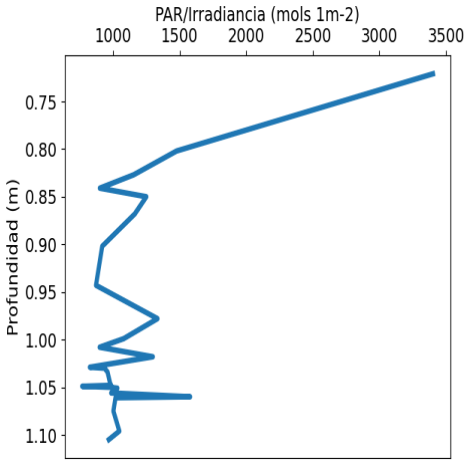


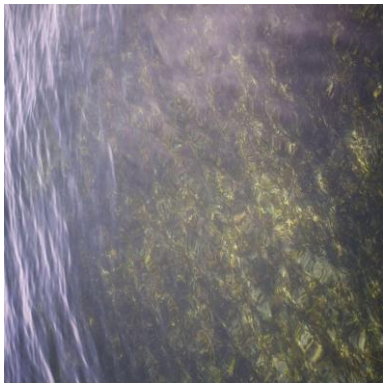












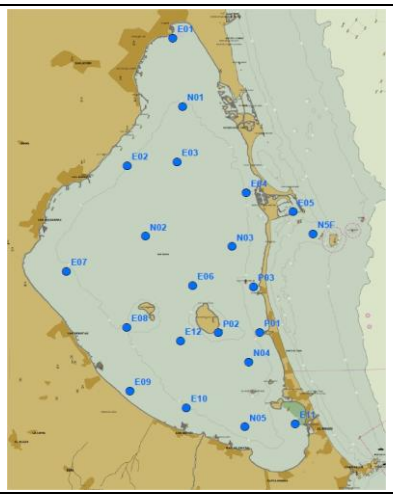
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	14.92	51.5	0.27	4.43	768.66	0.5	42.95
PROF (metros)	0.721	0.802	1.056	0.721	1.049	0.85	0.802
MÁXIMO	15.02	15.02	1.26	8.81	3402.2	0.59	43.2
PROF (metros)	0.802	0.721	0.85	0.999	0.721	0.999	0.721

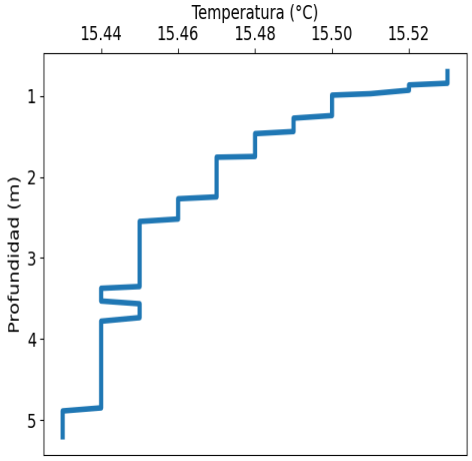
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P01 - Punto 015	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	14.97	51.54	0.75	6.8	1355.6	0.53	43.04
1 - 2m	14.93	51.5	0.66	7.78	1016.62	0.55	43.05

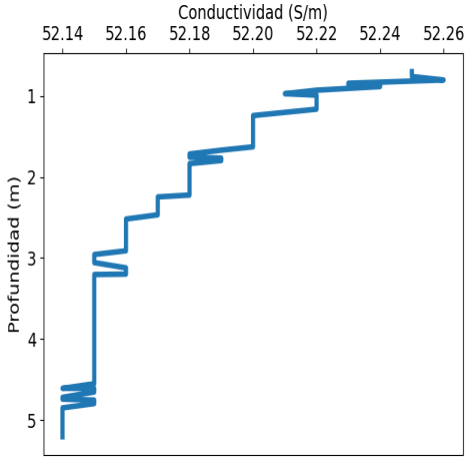
OBSERVACIONES GENERALES

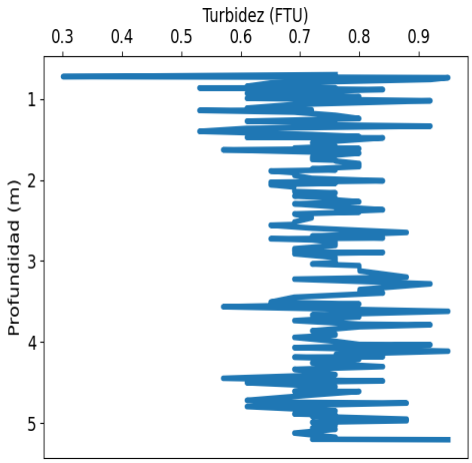
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.721	14.92	51.65	0.34	4.43	3402.2	0.55	43.2
0.802	15.02	51.5	1.18	4.73	1477.4	0.51	42.95
0.827	14.98	51.51	0.61	5.21	1155.0	0.56	42.99
0.841	14.96	51.53	0.8	5.86	901.13	0.52	43.03
0.85	14.96	51.54	1.26	6.6	1250.3	0.5	43.04
0.868	14.97	51.55	1.03	7.31	1163.9	0.54	43.05
0.902	14.97	51.54	0.84	7.93	919.06	0.52	43.03
0.943	14.98	51.53	0.61	8.4	872.36	0.51	43.02
0.978	14.97	51.52	0.38	8.7	1334.4	0.53	43.02
0.999	14.96	51.53	0.46	8.81	1080.2	0.59	43.03
1.008	14.96	51.52	0.38	8.77	899.67	0.54	43.02
1.018	14.96	51.51	0.42	8.66	1299.4	0.52	43.02
1.029	14.94	51.51	0.69	7.65	825.92	0.54	43.04
1.03	14.93	51.5	1.07	7.58	936.91	0.53	43.05
1.034	14.92	51.5	1.14	7.65	959.1	0.54	43.05
1.046	14.92	51.5	0.84	7.64	978.63	0.55	43.05
1.048	14.92	51.5	0.95	7.61	986.38	0.57	43.06
1.049	14.92	51.5	0.5	7.63	768.66	0.59	43.05
1.05	14.92	51.5	0.42	7.65	974.33	0.58	43.05
1.051	14.92	51.5	0.65	7.65	1033.2	0.58	43.06
1.056	14.92	51.5	0.27	7.66	986.15	0.54	43.05
1.06	14.92	51.5	0.57	7.66	1579.4	0.53	43.06
1.061	14.92	51.5	0.65	7.66	1018.9	0.55	43.05
1.075	14.92	51.5	0.5	7.66	1003.0	0.54	43.06
1.096	14.92	51.5	0.8	7.65	1047.6	0.52	43.06
1.105	14.92	51.5	0.76	7.65	968.71	0.53	43.06

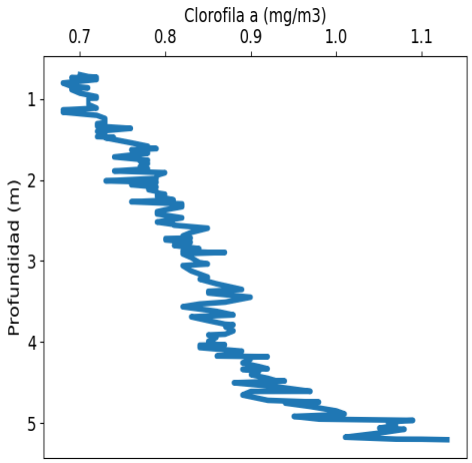
Nombre: CTD N04 - Punto 016 **Fecha: 24/02/2025** **Hora: 11:02:21**

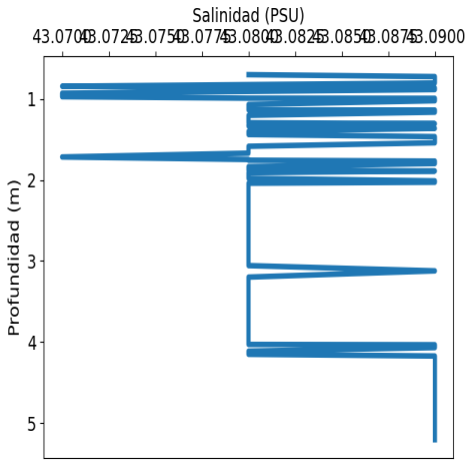


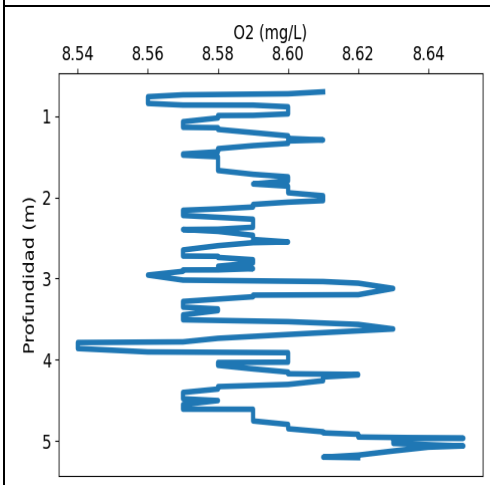


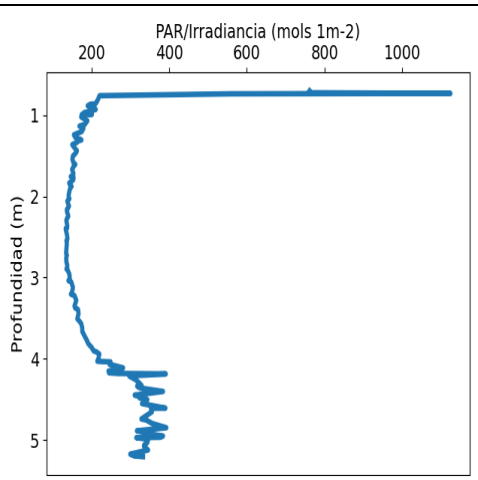












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.43	52.14	0.3	8.54	133.12	0.68	43.07
PROF (metros)	4.888	4.609	0.724	3.788	2.396	0.803	0.843
MÁXIMO	15.53	15.53	0.95	8.65	1124.6	1.13	43.09
PROF (metros)	0.7	0.803	0.737	4.967	0.732	5.206	0.724

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N04 - Punto 016	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.52	52.24	0.7	8.58	373.06	0.7	43.08
1 - 2m	15.48	52.2	0.72	8.59	158.28	0.74	43.08
2 - 3m	15.46	52.17	0.73	8.58	137.06	0.81	43.08
3 - 4m	15.45	52.15	0.78	8.59	173.36	0.86	43.08
4 - 5m	15.44	52.15	0.76	8.6	320.84	0.93	43.09
5 - 6m	15.43	52.14	0.76	8.63	327.35	1.07	43.09

OBSERVACIONES GENERALES

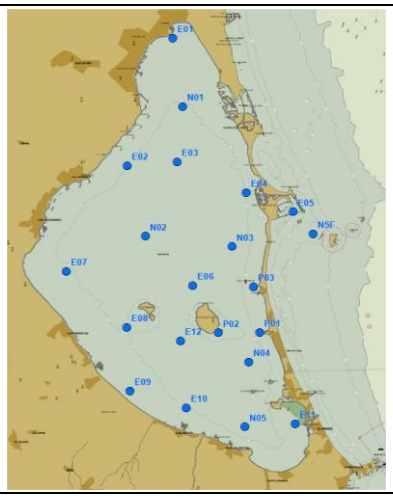
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.7	15.53	52.25	0.76	8.61	761.57	0.7	43.08
0.724	15.53	52.25	0.3	8.6	766.52	0.71	43.09
0.732	15.53	52.25	0.76	8.58	1124.6	0.72	43.09
0.737	15.53	52.25	0.95	8.57	558.5	0.69	43.09
0.76	15.53	52.25	0.92	8.56	220.49	0.72	43.09
0.803	15.53	52.26	0.65	8.56	216.64	0.68	43.09
0.843	15.53	52.23	0.61	8.56	212.31	0.69	43.07
0.863	15.52	52.23	0.76	8.57	209.09	0.71	43.08
0.864	15.52	52.24	0.53	8.59	197.5	0.7	43.09
0.884	15.52	52.24	0.84	8.6	189.78	0.69	43.09
0.929	15.52	52.22	0.61	8.6	210.74	0.7	43.07
0.972	15.51	52.21	0.8	8.6	179.64	0.72	43.07
0.99	15.5	52.22	0.76	8.59	200.92	0.72	43.08
0.992	15.5	52.22	0.61	8.58	174.59	0.71	43.09
1.022	15.5	52.22	0.92	8.58	173.06	0.71	43.09
1.068	15.5	52.22	0.69	8.57	189.17	0.71	43.08
1.113	15.5	52.22	0.61	8.57	182.32	0.72	43.08
1.135	15.5	52.22	0.72	8.57	168.51	0.68	43.08
1.137	15.5	52.22	0.72	8.57	169.45	0.69	43.09
1.142	15.5	52.22	0.53	8.58	173.02	0.7	43.09
1.163	15.5	52.22	0.69	8.58	179.06	0.68	43.09
1.202	15.5	52.21	0.76	8.59	174.35	0.72	43.08
1.242	15.5	52.2	0.8	8.6	154.3	0.73	43.08
1.274	15.49	52.2	0.61	8.6	158.29	0.73	43.08
1.293	15.49	52.2	0.72	8.61	167.38	0.73	43.08
1.305	15.49	52.2	0.76	8.6	173.86	0.72	43.09
1.315	15.49	52.2	0.69	8.6	165.57	0.72	43.08
1.335	15.49	52.2	0.92	8.6	161.96	0.72	43.08
1.363	15.49	52.2	0.61	8.59	150.1	0.76	43.09
1.4	15.49	52.2	0.53	8.58	155.74	0.72	43.08
1.439	15.49	52.2	0.72	8.58	162.26	0.73	43.08
1.465	15.48	52.2	0.8	8.57	159.24	0.72	43.09
1.474	15.48	52.2	0.61	8.57	157.66	0.74	43.09
1.48	15.48	52.2	0.84	8.57	156.86	0.73	43.09
1.5	15.48	52.2	0.8	8.58	151.96	0.74	43.09
1.541	15.48	52.2	0.72	8.58	150.45	0.76	43.09

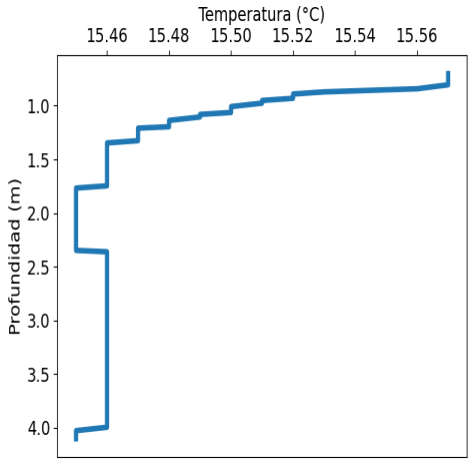
1.584	15.48	52.2	0.76	8.58	153.05	0.78	43.08
1.606	15.48	52.2	0.69	8.58	158.1	0.78	43.08
1.613	15.48	52.2	0.8	8.58	157.01	0.79	43.08
1.628	15.48	52.2	0.57	8.58	153.87	0.76	43.08
1.669	15.48	52.19	0.8	8.58	149.69	0.78	43.08
1.716	15.48	52.18	0.72	8.59	153.05	0.74	43.07
1.747	15.48	52.18	0.72	8.6	152.21	0.77	43.08
1.756	15.47	52.18	0.76	8.6	146.02	0.78	43.08
1.767	15.47	52.19	0.76	8.6	153.59	0.77	43.09
1.797	15.47	52.19	0.8	8.6	152.66	0.78	43.09
1.835	15.47	52.18	0.8	8.59	142.18	0.77	43.08
1.862	15.47	52.18	0.72	8.6	144.57	0.78	43.08
1.876	15.47	52.18	0.76	8.6	148.51	0.76	43.08
1.889	15.47	52.18	0.65	8.6	146.46	0.74	43.09
1.91	15.47	52.18	0.69	8.6	143.94	0.8	43.08
1.943	15.47	52.18	0.69	8.6	142.48	0.79	43.08
1.98	15.47	52.18	0.72	8.61	140.93	0.79	43.08
2.011	15.47	52.18	0.84	8.61	140.74	0.73	43.09
2.028	15.47	52.18	0.65	8.61	142.74	0.79	43.09
2.04	15.47	52.18	0.76	8.61	141.06	0.78	43.08
2.059	15.47	52.18	0.65	8.6	137.39	0.76	43.08
2.087	15.47	52.18	0.69	8.59	139.18	0.79	43.08
2.119	15.47	52.18	0.69	8.59	141.72	0.78	43.08
2.142	15.47	52.18	0.69	8.58	139.6	0.79	43.08
2.159	15.47	52.18	0.76	8.57	136.4	0.79	43.08
2.176	15.47	52.18	0.72	8.57	136.12	0.8	43.08
2.198	15.47	52.18	0.69	8.57	136.97	0.79	43.08
2.223	15.47	52.18	0.76	8.57	139.02	0.8	43.08
2.246	15.47	52.17	0.76	8.58	139.96	0.81	43.08
2.269	15.46	52.17	0.8	8.59	136.81	0.76	43.08
2.295	15.46	52.17	0.69	8.59	134.86	0.82	43.08
2.33	15.46	52.17	0.76	8.59	135.99	0.82	43.08
2.368	15.46	52.17	0.84	8.59	137.29	0.8	43.08
2.392	15.46	52.17	0.76	8.58	136.59	0.79	43.08
2.396	15.46	52.17	0.8	8.57	133.12	0.79	43.08
2.419	15.46	52.17	0.69	8.58	133.9	0.79	43.08
2.467	15.46	52.17	0.72	8.59	136.24	0.82	43.08
2.519	15.46	52.16	0.69	8.59	137.7	0.79	43.08
2.549	15.45	52.16	0.69	8.6	134.95	0.81	43.08
2.558	15.45	52.16	0.65	8.59	135.83	0.81	43.08
2.595	15.45	52.16	0.72	8.58	135.96	0.85	43.08
2.648	15.45	52.16	0.88	8.57	135.11	0.83	43.08
2.692	15.45	52.16	0.72	8.57	134.33	0.82	43.08
2.716	15.45	52.16	0.84	8.57	134.95	0.83	43.08
2.723	15.45	52.16	0.69	8.57	136.12	0.8	43.08
2.726	15.45	52.16	0.65	8.58	136.28	0.8	43.08
2.74	15.45	52.16	0.72	8.58	135.3	0.8	43.08
2.768	15.45	52.16	0.76	8.59	134.49	0.83	43.08
2.808	15.45	52.16	0.76	8.59	135.14	0.81	43.08
2.848	15.45	52.16	0.69	8.58	137.16	0.84	43.08
2.878	15.45	52.16	0.69	8.59	137.23	0.82	43.08
2.893	15.45	52.16	0.76	8.58	135.74	0.85	43.08
2.894	15.45	52.16	0.84	8.57	135.11	0.87	43.08
2.911	15.45	52.16	0.69	8.57	138.63	0.82	43.08
2.957	15.45	52.15	0.76	8.56	142.64	0.83	43.08
3.019	15.45	52.15	0.76	8.57	143.9	0.84	43.08
3.037	15.45	52.15	0.72	8.61	140.22	0.85	43.08
3.057	15.45	52.15	0.8	8.62	147.82	0.82	43.08

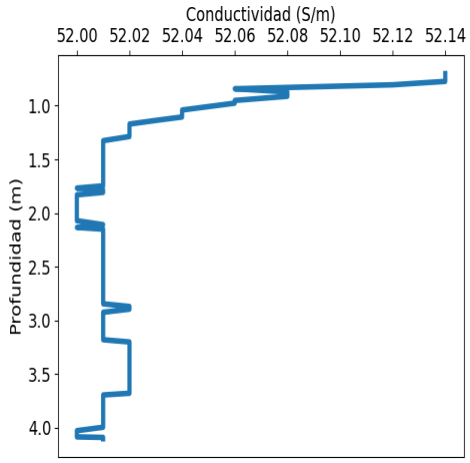
3.122	15.45	52.16	0.8	8.63	151.85	0.83	43.09
3.199	15.45	52.16	0.88	8.62	148.82	0.85	43.08
3.204	15.45	52.15	0.84	8.59	146.56	0.85	43.08
3.224	15.45	52.15	0.69	8.59	156.03	0.84	43.08
3.282	15.45	52.15	0.92	8.57	160.5	0.86	43.08
3.352	15.45	52.15	0.8	8.57	155.81	0.89	43.08
3.374	15.44	52.15	0.8	8.58	157.48	0.85	43.08
3.395	15.44	52.15	0.84	8.58	165.14	0.85	43.08
3.447	15.44	52.15	0.69	8.57	166.33	0.9	43.08
3.508	15.44	52.15	0.65	8.57	163.09	0.87	43.08
3.531	15.44	52.15	0.8	8.6	167.38	0.84	43.08
3.565	15.45	52.15	0.57	8.62	173.06	0.82	43.08
3.621	15.45	52.15	0.95	8.63	175.85	0.86	43.08
3.666	15.45	52.15	0.72	8.61	175.93	0.88	43.08
3.689	15.45	52.15	0.8	8.6	178.68	0.83	43.08
3.736	15.45	52.15	0.69	8.58	183.47	0.85	43.08
3.78	15.44	52.15	0.8	8.57	188.6	0.87	43.08
3.788	15.44	52.15	0.92	8.54	188.82	0.88	43.08
3.812	15.44	52.15	0.8	8.54	191.06	0.87	43.08
3.862	15.44	52.15	0.72	8.54	200.13	0.88	43.08
3.904	15.44	52.15	0.76	8.56	205.39	0.87	43.08
3.913	15.44	52.15	0.76	8.6	211.23	0.85	43.08
3.943	15.44	52.15	0.69	8.6	219.93	0.86	43.08
3.992	15.44	52.15	0.76	8.6	217.75	0.85	43.08
4.03	15.44	52.15	0.8	8.6	214.59	0.86	43.08
4.034	15.44	52.15	0.92	8.58	223.73	0.87	43.09
4.039	15.44	52.15	0.88	8.58	248.9	0.84	43.09
4.069	15.44	52.15	0.69	8.58	246.15	0.84	43.09
4.113	15.44	52.15	0.95	8.59	281.24	0.89	43.08
4.152	15.44	52.15	0.76	8.6	243.43	0.88	43.08
4.173	15.44	52.15	0.76	8.6	244.67	0.86	43.09
4.181	15.44	52.15	0.84	8.62	267.07	0.92	43.09
4.187	15.44	52.15	0.69	8.62	391.21	0.9	43.09
4.212	15.44	52.15	0.8	8.61	296.71	0.9	43.09
4.258	15.44	52.15	0.72	8.61	313.39	0.89	43.09
4.304	15.44	52.15	0.84	8.6	323.87	0.91	43.09
4.331	15.44	52.15	0.72	8.58	328.94	0.92	43.09
4.337	15.44	52.15	0.69	8.58	317.12	0.89	43.09
4.361	15.44	52.15	0.72	8.58	324.78	0.91	43.09
4.403	15.44	52.15	0.76	8.57	383.94	0.9	43.09
4.448	15.44	52.15	0.57	8.57	310.79	0.92	43.09
4.479	15.44	52.15	0.8	8.57	337.36	0.93	43.09
4.481	15.44	52.15	0.84	8.57	323.05	0.94	43.09
4.503	15.44	52.15	0.61	8.58	343.67	0.88	43.09
4.552	15.44	52.15	0.76	8.57	329.63	0.93	43.09
4.609	15.44	52.14	0.69	8.57	390.22	0.97	43.09
4.61	15.44	52.15	0.8	8.59	352.79	0.9	43.09
4.654	15.44	52.15	0.72	8.59	355.34	0.89	43.09
4.72	15.44	52.14	0.61	8.59	335.1	0.92	43.09
4.742	15.44	52.14	0.65	8.59	328.18	0.98	43.09
4.754	15.44	52.15	0.88	8.59	340.42	0.94	43.09
4.797	15.44	52.15	0.61	8.6	355.83	0.97	43.09
4.85	15.44	52.14	0.76	8.6	392.58	1.0	43.09
4.888	15.43	52.14	0.69	8.61	316.53	1.01	43.09
4.901	15.43	52.14	0.76	8.61	330.24	0.99	43.09
4.918	15.43	52.14	0.72	8.62	337.36	0.95	43.09
4.952	15.43	52.14	0.88	8.62	384.03	0.98	43.09
4.967	15.43	52.14	0.88	8.65	377.23	1.09	43.09

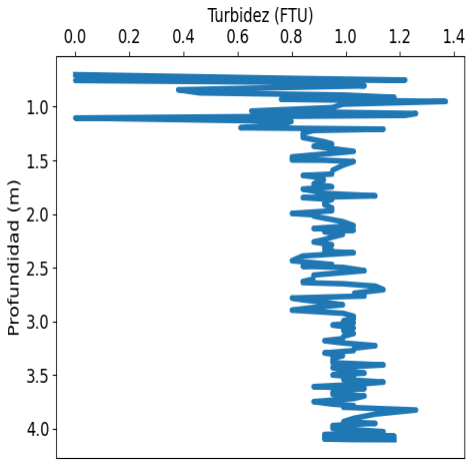
4.972	15.43	52.14	0.88	8.63	314.99	1.08	43.09
4.991	15.43	52.14	0.72	8.63	345.27	1.06	43.09
5.031	15.43	52.14	0.76	8.63	343.75	1.07	43.09
5.062	15.43	52.14	0.72	8.65	335.41	1.05	43.09
5.077	15.43	52.14	0.76	8.64	334.79	1.08	43.09
5.124	15.43	52.14	0.69	8.63	345.43	1.05	43.09
5.175	15.43	52.14	0.76	8.62	299.47	1.01	43.09
5.199	15.43	52.14	0.76	8.61	310.93	1.07	43.09
5.2	15.43	52.14	0.72	8.61	316.38	1.1	43.09
5.206	15.43	52.14	0.95	8.62	332.62	1.13	43.09

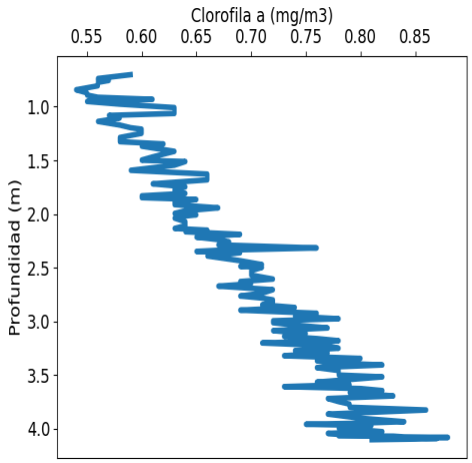
Nombre: CTD E11 - Punto 017 **Fecha: 24/02/2025** **Hora: 11:02:57**

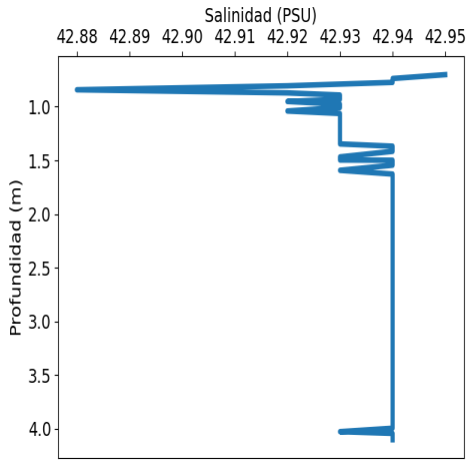


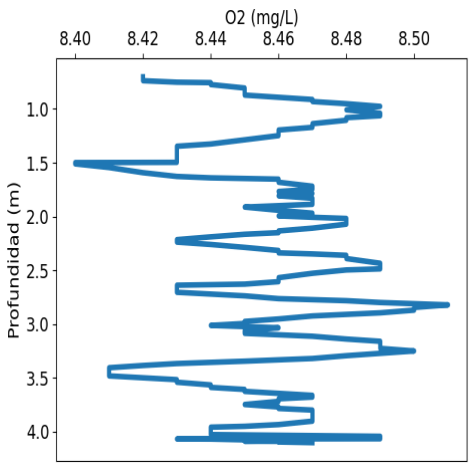


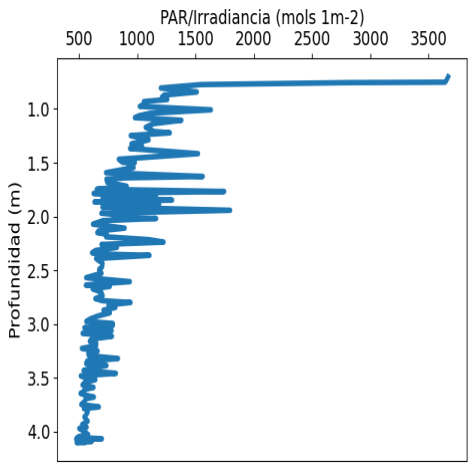


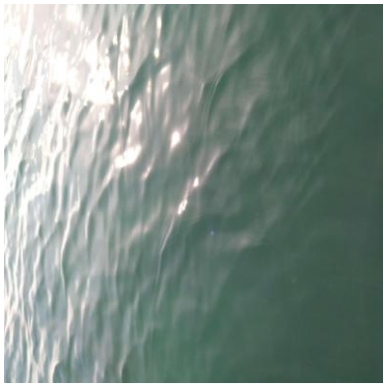












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.45	52.0	0.0	8.4	474.31	0.54	42.88
PROF (metros)	1.768	1.768	0.701	1.499	4.071	0.842	0.842
MÁXIMO	15.57	15.57	1.37	8.51	3668.4	0.88	42.95
PROF (metros)	0.701	0.701	0.951	2.823	0.701	4.084	0.701

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E11 - Punto 017	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.54	52.09	0.92	8.46	1672.88	0.56	42.93
1 - 2m	15.46	52.01	0.91	8.45	1033.57	0.62	42.93
2 - 3m	15.46	52.01	0.94	8.46	745.45	0.69	42.94
3 - 4m	15.46	52.02	1.01	8.45	598.77	0.78	42.94
4 - 5m	15.45	52.0	1.01	8.46	537.33	0.82	42.94

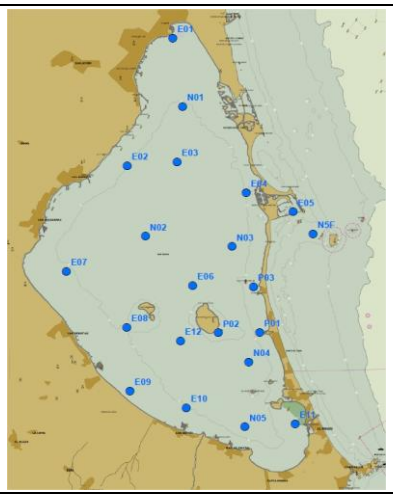
OBSERVACIONES GENERALES

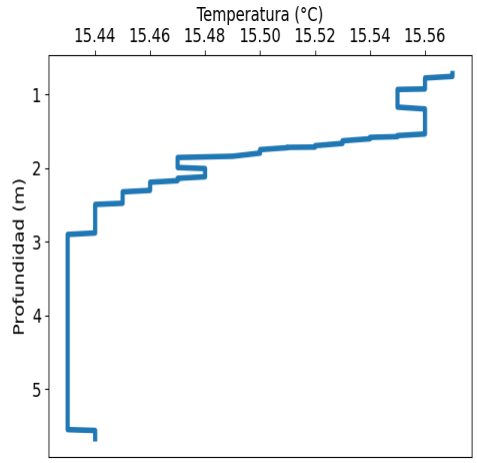
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.701	15.57	52.14	0.0	8.42	3668.4	0.59	42.95
0.737	15.57	52.14	0.84	8.42	3652.3	0.56	42.94
0.751	15.57	52.14	1.22	8.43	3642.1	0.56	42.94
0.755	15.57	52.14	0.0	8.44	2809.4	0.57	42.94
0.773	15.57	52.14	0.84	8.44	1550.7	0.56	42.94
0.805	15.57	52.12	1.07	8.45	1201.2	0.56	42.92
0.842	15.56	52.06	0.38	8.45	1512.0	0.54	42.88
0.871	15.53	52.08	0.46	8.45	1229.6	0.55	42.92
0.891	15.52	52.08	0.99	8.46	1210.4	0.55	42.93
0.912	15.52	52.08	1.18	8.47	1258.4	0.56	42.93
0.931	15.52	52.07	0.76	8.47	1056.2	0.61	42.93
0.951	15.51	52.06	1.37	8.48	1068.2	0.55	42.92
0.976	15.51	52.06	0.99	8.49	1020.6	0.58	42.93
1.008	15.5	52.05	0.95	8.48	1633.0	0.63	42.93
1.04	15.5	52.04	0.65	8.49	1111.7	0.63	42.92
1.063	15.5	52.04	1.26	8.49	1015.6	0.63	42.93
1.081	15.49	52.04	1.22	8.48	978.41	0.57	42.93
1.105	15.49	52.04	0.0	8.48	1379.4	0.58	42.93
1.137	15.48	52.03	0.8	8.47	1137.8	0.56	42.93
1.171	15.48	52.02	0.76	8.47	1071.7	0.58	42.93
1.196	15.48	52.02	0.61	8.46	1123.1	0.59	42.93
1.209	15.47	52.02	1.14	8.46	1138.0	0.6	42.93
1.222	15.47	52.02	0.88	8.46	1280.2	0.6	42.93
1.248	15.47	52.02	0.84	8.46	942.57	0.6	42.93
1.287	15.47	52.02	0.84	8.45	1098.6	0.58	42.93
1.326	15.47	52.01	0.92	8.44	948.71	0.58	42.93
1.347	15.46	52.01	0.95	8.43	1042.1	0.62	42.93
1.368	15.46	52.01	0.88	8.43	936.91	0.6	42.94
1.416	15.46	52.01	1.03	8.43	1522.2	0.63	42.94
1.468	15.46	52.01	0.8	8.43	840.79	0.61	42.93
1.497	15.46	52.01	0.8	8.43	873.98	0.6	42.93
1.499	15.46	52.01	0.92	8.4	980.0	0.6	42.94
1.511	15.46	52.01	1.03	8.4	921.4	0.64	42.94
1.545	15.46	52.01	0.99	8.41	969.38	0.63	42.94
1.593	15.46	52.01	0.95	8.42	731.13	0.59	42.93
1.628	15.46	52.01	0.95	8.43	1562.6	0.66	42.94
1.641	15.46	52.01	0.84	8.44	898.83	0.66	42.94

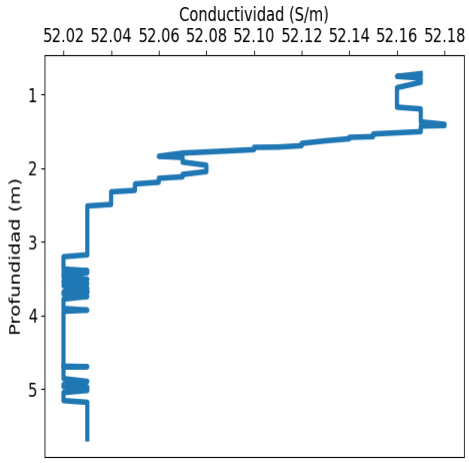
1.653	15.46	52.01	0.88	8.46	734.86	0.66	42.94
1.682	15.46	52.01	0.92	8.46	741.54	0.66	42.94
1.719	15.46	52.01	0.88	8.47	910.15	0.61	42.94
1.747	15.46	52.01	0.95	8.47	651.73	0.64	42.94
1.768	15.45	52.0	0.84	8.46	1746.9	0.63	42.94
1.786	15.45	52.01	0.88	8.47	624.52	0.63	42.94
1.808	15.45	52.01	0.92	8.46	1162.0	0.64	42.94
1.831	15.45	52.0	1.11	8.47	701.41	0.6	42.94
1.848	15.45	52.0	0.84	8.47	1299.7	0.6	42.94
1.865	15.45	52.0	0.95	8.47	631.94	0.65	42.94
1.887	15.45	52.0	0.92	8.47	1188.4	0.63	42.94
1.913	15.45	52.0	0.92	8.45	699.95	0.63	42.94
1.943	15.45	52.0	0.95	8.46	1797.8	0.67	42.94
1.97	15.45	52.0	0.95	8.47	691.25	0.64	42.94
1.995	15.45	52.0	0.8	8.46	934.74	0.63	42.94
2.008	15.45	52.0	0.88	8.47	793.64	0.65	42.94
2.019	15.45	52.0	0.88	8.48	1162.8	0.64	42.94
2.039	15.45	52.0	0.92	8.48	705.49	0.63	42.94
2.072	15.45	52.0	0.99	8.48	618.9	0.64	42.94
2.109	15.45	52.01	1.03	8.47	892.4	0.64	42.94
2.135	15.45	52.0	0.88	8.46	667.32	0.63	42.94
2.151	15.45	52.01	1.03	8.46	656.12	0.66	42.94
2.166	15.45	52.01	0.92	8.45	738.96	0.64	42.94
2.19	15.45	52.01	0.99	8.44	731.46	0.69	42.94
2.216	15.45	52.01	0.95	8.43	1099.6	0.65	42.94
2.239	15.45	52.01	0.92	8.43	1226.5	0.67	42.94
2.261	15.45	52.01	0.88	8.44	692.05	0.68	42.94
2.288	15.45	52.01	0.95	8.45	825.92	0.67	42.94
2.317	15.45	52.01	0.92	8.46	640.64	0.76	42.94
2.339	15.45	52.01	0.95	8.46	611.06	0.67	42.94
2.349	15.45	52.01	0.92	8.47	652.78	0.65	42.94
2.362	15.46	52.01	1.03	8.48	1105.8	0.69	42.94
2.392	15.46	52.01	0.84	8.48	645.71	0.66	42.94
2.436	15.46	52.01	0.8	8.49	702.55	0.69	42.94
2.472	15.46	52.01	0.95	8.49	698.17	0.71	42.94
2.488	15.46	52.01	0.84	8.49	675.41	0.69	42.94
2.498	15.46	52.01	0.99	8.48	671.82	0.71	42.94
2.529	15.46	52.01	1.07	8.47	694.14	0.7	42.94
2.57	15.46	52.01	0.88	8.46	560.45	0.7	42.94
2.607	15.46	52.01	0.88	8.46	936.91	0.72	42.94
2.63	15.46	52.01	0.84	8.45	635.03	0.69	42.94
2.64	15.46	52.01	0.84	8.43	557.6	0.69	42.94
2.651	15.46	52.01	0.99	8.43	764.57	0.7	42.94
2.673	15.46	52.01	1.11	8.43	615.61	0.67	42.94
2.706	15.46	52.01	1.14	8.43	692.05	0.72	42.94
2.739	15.46	52.01	1.03	8.45	703.37	0.71	42.94
2.765	15.46	52.01	1.07	8.46	639.6	0.69	42.94
2.784	15.46	52.01	0.8	8.48	699.3	0.71	42.94
2.801	15.46	52.01	0.84	8.49	943.23	0.72	42.94
2.823	15.46	52.01	0.92	8.51	752.09	0.72	42.94
2.847	15.46	52.01	0.99	8.5	812.63	0.71	42.94
2.872	15.46	52.02	0.88	8.5	709.1	0.74	42.94
2.897	15.46	52.02	0.8	8.49	765.28	0.69	42.94
2.926	15.46	52.01	0.99	8.47	664.08	0.76	42.94
2.954	15.46	52.01	1.03	8.46	596.09	0.74	42.94
2.977	15.46	52.01	1.03	8.45	561.62	0.78	42.94
2.996	15.46	52.01	0.99	8.45	790.89	0.72	42.94
3.014	15.46	52.01	1.03	8.44	791.26	0.72	42.94

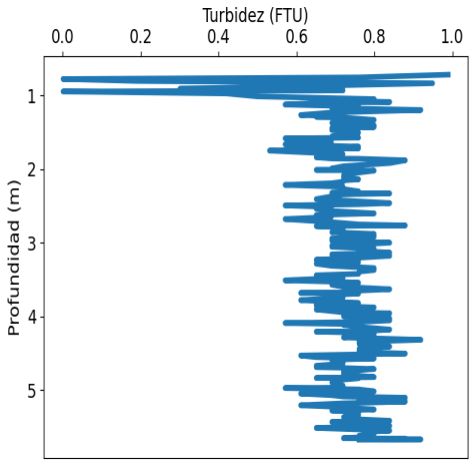
3.036	15.46	52.01	0.95	8.46	544.95	0.74	42.94
3.063	15.46	52.01	1.03	8.45	781.23	0.77	42.94
3.088	15.46	52.01	0.99	8.45	529.88	0.72	42.94
3.115	15.46	52.01	1.03	8.47	783.77	0.75	42.94
3.141	15.46	52.01	0.99	8.48	608.8	0.73	42.94
3.162	15.46	52.01	0.99	8.49	591.82	0.76	42.94
3.182	15.46	52.01	0.92	8.49	648.86	0.78	42.94
3.203	15.46	52.02	0.99	8.49	647.66	0.71	42.94
3.228	15.46	52.02	1.11	8.49	523.65	0.77	42.94
3.252	15.46	52.02	1.03	8.5	661.01	0.78	42.94
3.274	15.46	52.02	1.03	8.49	579.2	0.74	42.94
3.296	15.46	52.02	0.92	8.48	583.78	0.77	42.94
3.322	15.46	52.02	0.99	8.47	835.55	0.73	42.94
3.347	15.46	52.02	0.95	8.45	568.17	0.8	42.94
3.369	15.46	52.02	0.95	8.43	560.32	0.76	42.94
3.387	15.46	52.02	0.95	8.42	736.74	0.77	42.94
3.408	15.46	52.02	1.14	8.41	623.94	0.82	42.94
3.433	15.46	52.02	0.95	8.41	538.05	0.76	42.94
3.46	15.46	52.02	0.99	8.41	817.16	0.78	42.94
3.484	15.46	52.02	1.07	8.41	514.51	0.78	42.94
3.502	15.46	52.02	0.95	8.42	557.34	0.78	42.94
3.519	15.46	52.02	1.03	8.43	641.24	0.82	42.94
3.543	15.46	52.02	0.99	8.43	552.58	0.79	42.94
3.568	15.46	52.02	1.14	8.44	529.14	0.76	42.94
3.591	15.46	52.02	1.03	8.44	625.68	0.79	42.94
3.61	15.46	52.02	0.88	8.45	547.61	0.73	42.94
3.628	15.46	52.02	1.07	8.45	541.3	0.8	42.94
3.647	15.46	52.02	0.99	8.46	512.25	0.82	42.94
3.665	15.46	52.02	0.95	8.47	563.71	0.79	42.94
3.681	15.46	52.02	0.95	8.47	628.58	0.81	42.94
3.697	15.46	52.01	1.07	8.46	556.82	0.83	42.94
3.721	15.46	52.01	1.03	8.46	548.24	0.77	42.94
3.75	15.46	52.01	0.88	8.45	518.34	0.78	42.94
3.773	15.46	52.01	0.95	8.46	670.88	0.79	42.94
3.787	15.46	52.01	1.03	8.46	540.67	0.79	42.94
3.802	15.46	52.01	0.99	8.47	577.99	0.79	42.94
3.828	15.46	52.01	1.26	8.47	572.66	0.86	42.94
3.866	15.46	52.01	1.11	8.47	545.46	0.77	42.94
3.905	15.46	52.01	1.03	8.47	575.19	0.8	42.94
3.937	15.46	52.01	0.99	8.46	525.96	0.84	42.94
3.953	15.46	52.01	1.11	8.45	531.85	0.79	42.94
3.961	15.46	52.01	1.03	8.44	566.06	0.75	42.94
3.973	15.46	52.01	0.95	8.44	501.21	0.81	42.94
3.998	15.46	52.01	0.95	8.44	543.44	0.78	42.94
4.03	15.45	52.0	1.14	8.44	578.93	0.82	42.93
4.046	15.45	52.0	1.03	8.49	508.7	0.77	42.94
4.056	15.45	52.0	0.92	8.49	485.77	0.78	42.94
4.069	15.45	52.0	0.92	8.49	697.04	0.78	42.94
4.071	15.45	52.0	0.99	8.43	474.31	0.8	42.94
4.072	15.45	52.0	1.18	8.44	477.4	0.83	42.94
4.079	15.45	52.0	0.95	8.45	595.95	0.84	42.94
4.084	15.45	52.0	0.92	8.47	509.76	0.88	42.94
4.088	15.45	52.0	0.92	8.46	555.79	0.85	42.94
4.092	15.45	52.01	1.03	8.45	499.59	0.86	42.94
4.093	15.45	52.01	0.99	8.46	610.49	0.87	42.94
4.099	15.45	52.01	0.92	8.46	509.52	0.85	42.94
4.104	15.45	52.01	1.03	8.47	479.06	0.81	42.94
4.105	15.45	52.01	1.18	8.47	540.3	0.81	42.94

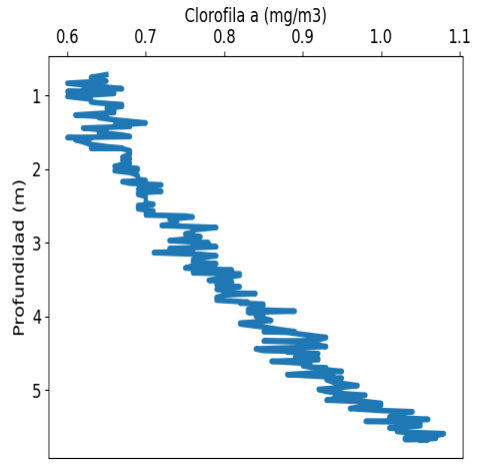
Nombre: CTD N05 - Punto 018 **Fecha: 24/02/2025** **Hora: 11:02:50**

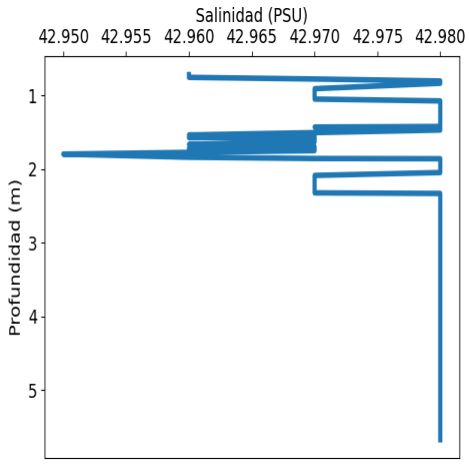


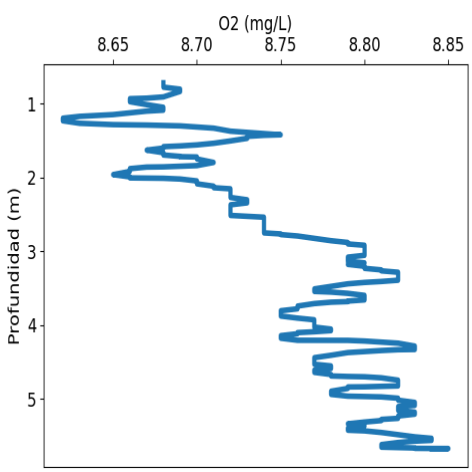


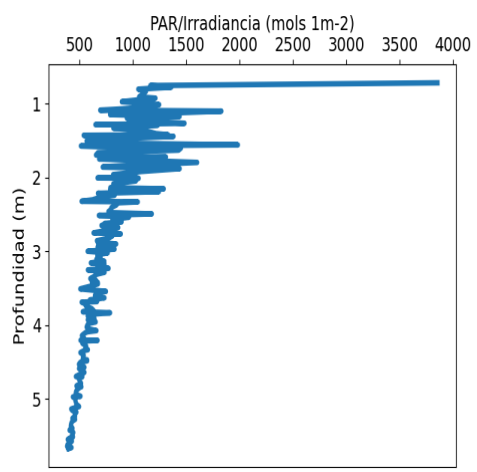


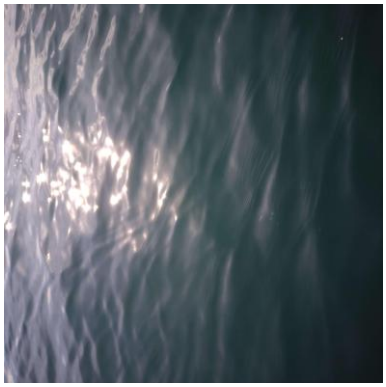












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.43	52.02	0.0	8.62	382.78	0.6	42.95
PROF (metros)	2.9	3.203	0.773	1.194	5.645	0.831	1.794
MÁXIMO	15.57	15.57	0.99	8.85	3854.9	1.08	42.98
PROF (metros)	0.714	1.403	0.714	5.676	0.714	5.594	0.8

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N05 - Punto 018	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.56	52.16	0.63	8.68	1443.42	0.64	42.97
1 - 2m	15.53	52.14	0.71	8.68	1053.7	0.65	42.97
2 - 3m	15.45	52.04	0.72	8.74	813.05	0.72	42.98
3 - 4m	15.43	52.02	0.73	8.79	646.32	0.8	42.98
4 - 5m	15.43	52.02	0.74	8.79	528.15	0.9	42.98
5 - 6m	15.43	52.03	0.77	8.82	430.46	1.01	42.98

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)
0.714	15.57	52.17	0.99	8.68	3854.9	0.65	42.96
0.751	15.57	52.16	0.76	8.68	1163.4	0.63	42.96
0.773	15.56	52.17	0.0	8.68	1361.0	0.64	42.97
0.8	15.56	52.17	0.19	8.69	1050.1	0.65	42.98
0.831	15.56	52.17	0.95	8.69	1123.9	0.6	42.98
0.905	15.56	52.16	0.3	8.68	1057.9	0.67	42.97
0.922	15.56	52.16	0.72	8.67	1213.2	0.62	42.97
0.929	15.55	52.16	0.72	8.66	1187.6	0.65	42.97
0.943	15.55	52.16	0.0	8.66	1064.0	0.6	42.97
0.97	15.55	52.16	0.42	8.66	896.34	0.66	42.97
1.01	15.55	52.16	0.5	8.67	1247.7	0.6	42.97
1.046	15.55	52.16	0.8	8.68	1102.2	0.63	42.97
1.071	15.55	52.16	0.72	8.68	861.71	0.63	42.98
1.085	15.55	52.16	0.84	8.68	693.33	0.63	42.98
1.098	15.55	52.16	0.65	8.67	1830.6	0.64	42.98
1.121	15.55	52.16	0.57	8.66	1408.5	0.67	42.98
1.145	15.55	52.16	0.76	8.65	786.14	0.67	42.98
1.169	15.55	52.16	0.69	8.63	1439.5	0.65	42.98
1.194	15.56	52.17	0.92	8.62	943.66	0.66	42.98
1.229	15.56	52.17	0.69	8.62	1102.2	0.66	42.98
1.263	15.56	52.17	0.61	8.63	1485.3	0.61	42.98
1.281	15.56	52.17	0.72	8.65	648.71	0.64	42.98
1.287	15.56	52.17	0.65	8.67	1235.0	0.65	42.98
1.298	15.56	52.17	0.72	8.69	1119.7	0.64	42.98
1.329	15.56	52.17	0.8	8.71	816.59	0.66	42.98
1.37	15.56	52.17	0.69	8.72	1134.9	0.7	42.98
1.403	15.56	52.18	0.8	8.74	1216.6	0.66	42.98
1.419	15.56	52.18	0.76	8.75	1330.7	0.68	42.98
1.426	15.56	52.17	0.8	8.74	538.92	0.66	42.97
1.44	15.56	52.17	0.69	8.73	1382.3	0.62	42.98
1.467	15.56	52.17	0.69	8.73	953.12	0.65	42.98
1.502	15.56	52.17	0.76	8.72	565.93	0.64	42.97
1.534	15.56	52.15	0.72	8.71	900.5	0.67	42.96
1.556	15.55	52.15	0.69	8.7	1985.3	0.68	42.97
1.57	15.55	52.15	0.76	8.69	512.49	0.6	42.96
1.58	15.54	52.14	0.57	8.68	673.69	0.63	42.97

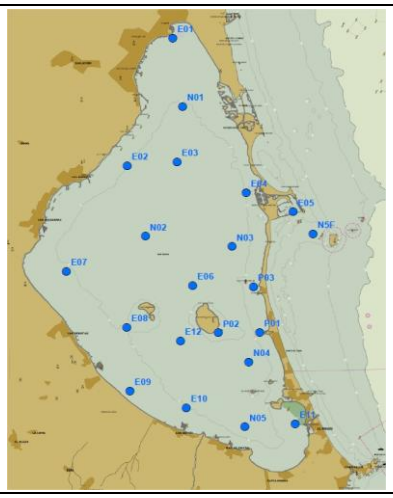
1.599	15.54	52.14	0.69	8.68	1451.6	0.61	42.97
1.627	15.53	52.13	0.69	8.67	1429.2	0.62	42.97
1.662	15.53	52.12	0.57	8.68	673.53	0.63	42.96
1.693	15.52	52.12	0.76	8.68	654.0	0.65	42.97
1.712	15.52	52.11	0.69	8.69	1051.5	0.67	42.96
1.716	15.51	52.1	0.76	8.69	762.45	0.63	42.96
1.72	15.51	52.1	0.69	8.7	1311.1	0.67	42.97
1.747	15.5	52.1	0.53	8.7	683.44	0.68	42.97
1.794	15.5	52.07	0.72	8.71	1603.3	0.68	42.95
1.837	15.49	52.06	0.65	8.7	919.7	0.67	42.96
1.854	15.47	52.07	0.69	8.68	718.69	0.68	42.97
1.857	15.47	52.07	0.76	8.67	717.03	0.68	42.98
1.878	15.47	52.07	0.88	8.66	1439.9	0.67	42.98
1.916	15.47	52.07	0.84	8.66	1081.7	0.68	42.98
1.959	15.47	52.08	0.72	8.65	814.89	0.66	42.98
1.99	15.47	52.08	0.69	8.66	1027.9	0.69	42.98
2.004	15.48	52.08	0.72	8.66	668.4	0.69	42.98
2.009	15.48	52.08	0.65	8.68	1055.4	0.69	42.98
2.019	15.48	52.08	0.8	8.69	838.65	0.66	42.98
2.045	15.48	52.08	0.76	8.7	1028.6	0.68	42.98
2.084	15.48	52.07	0.72	8.7	816.59	0.69	42.97
2.116	15.48	52.07	0.72	8.71	860.71	0.69	42.97
2.137	15.47	52.06	0.76	8.71	788.51	0.69	42.97
2.152	15.47	52.06	0.72	8.72	1290.6	0.7	42.97
2.169	15.47	52.06	0.72	8.72	787.05	0.67	42.97
2.19	15.46	52.06	0.69	8.72	1245.4	0.68	42.97
2.213	15.46	52.05	0.57	8.72	672.28	0.72	42.97
2.238	15.46	52.05	0.72	8.72	830.14	0.7	42.97
2.269	15.46	52.05	0.72	8.72	689.97	0.69	42.97
2.301	15.46	52.05	0.76	8.73	623.07	0.72	42.97
2.321	15.45	52.04	0.69	8.73	519.06	0.69	42.97
2.329	15.45	52.04	0.84	8.73	1047.2	0.69	42.98
2.342	15.45	52.04	0.72	8.73	851.19	0.69	42.98
2.369	15.45	52.04	0.69	8.72	848.23	0.7	42.98
2.406	15.45	52.04	0.65	8.72	799.18	0.7	42.98
2.438	15.45	52.04	0.76	8.72	792.36	0.7	42.98
2.46	15.45	52.04	0.84	8.72	770.8	0.7	42.98
2.476	15.45	52.04	0.76	8.72	803.64	0.71	42.98
2.492	15.44	52.04	0.57	8.72	1178.8	0.69	42.98
2.513	15.44	52.03	0.69	8.72	680.75	0.69	42.98
2.537	15.44	52.03	0.65	8.74	963.78	0.69	42.98
2.567	15.44	52.03	0.69	8.74	807.19	0.71	42.98
2.6	15.44	52.03	0.8	8.74	895.92	0.7	42.98
2.622	15.44	52.03	0.65	8.74	734.18	0.7	42.98
2.635	15.44	52.03	0.65	8.74	770.62	0.75	42.98
2.649	15.44	52.03	0.69	8.74	705.33	0.76	42.98
2.677	15.44	52.03	0.57	8.74	864.51	0.73	42.98
2.719	15.44	52.03	0.69	8.74	744.29	0.74	42.98
2.75	15.44	52.03	0.76	8.74	631.21	0.73	42.98
2.764	15.44	52.03	0.88	8.75	888.06	0.72	42.98
2.773	15.44	52.03	0.65	8.75	771.87	0.74	42.98
2.792	15.44	52.03	0.72	8.76	807.75	0.79	42.98
2.824	15.44	52.03	0.72	8.77	770.62	0.76	42.98
2.856	15.44	52.03	0.69	8.78	662.69	0.76	42.98
2.88	15.44	52.03	0.8	8.79	671.66	0.75	42.98
2.9	15.43	52.03	0.76	8.79	844.9	0.76	42.98
2.918	15.43	52.03	0.8	8.8	678.23	0.77	42.98
2.941	15.43	52.03	0.69	8.8	669.49	0.76	42.98

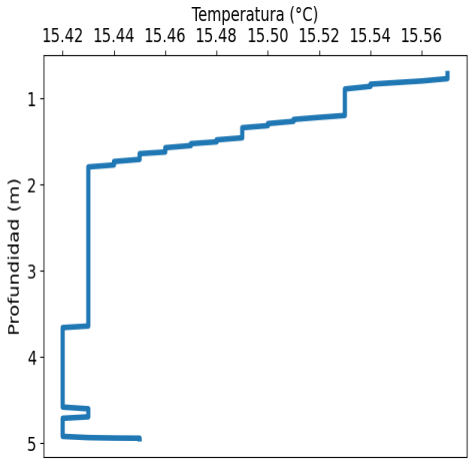
2.97	15.43	52.03	0.69	8.8	829.57	0.73	42.98
2.999	15.43	52.03	0.84	8.8	575.72	0.78	42.98
3.021	15.43	52.03	0.76	8.8	765.28	0.76	42.98
3.038	15.43	52.03	0.69	8.8	697.04	0.78	42.98
3.054	15.43	52.03	0.69	8.8	666.54	0.79	42.98
3.079	15.43	52.03	0.8	8.79	698.82	0.73	42.98
3.108	15.43	52.03	0.76	8.79	657.64	0.76	42.98
3.134	15.43	52.03	0.84	8.79	733.84	0.71	42.98
3.157	15.43	52.03	0.69	8.8	605.56	0.77	42.98
3.177	15.43	52.03	0.84	8.79	735.54	0.79	42.98
3.203	15.43	52.02	0.76	8.8	671.04	0.77	42.98
3.231	15.43	52.02	0.65	8.8	773.49	0.76	42.98
3.252	15.43	52.02	0.72	8.81	577.86	0.76	42.98
3.265	15.43	52.02	0.76	8.81	662.39	0.76	42.98
3.284	15.43	52.02	0.65	8.82	736.06	0.79	42.98
3.313	15.43	52.02	0.69	8.82	656.88	0.76	42.98
3.343	15.43	52.02	0.8	8.82	635.17	0.75	42.98
3.37	15.43	52.02	0.8	8.82	600.81	0.81	42.98
3.392	15.43	52.03	0.76	8.82	654.45	0.76	42.98
3.409	15.43	52.02	0.76	8.81	614.18	0.76	42.98
3.422	15.43	52.03	0.76	8.8	672.44	0.82	42.98
3.441	15.43	52.02	0.65	8.79	674.0	0.82	42.98
3.475	15.43	52.02	0.72	8.78	598.58	0.8	42.98
3.51	15.43	52.03	0.57	8.77	506.93	0.78	42.98
3.532	15.43	52.02	0.72	8.77	667.01	0.81	42.98
3.544	15.43	52.02	0.76	8.77	748.96	0.8	42.98
3.553	15.43	52.02	0.72	8.78	653.84	0.81	42.98
3.57	15.43	52.03	0.69	8.79	676.51	0.79	42.98
3.598	15.43	52.02	0.72	8.8	644.07	0.82	42.98
3.631	15.43	52.03	0.84	8.8	735.2	0.79	42.98
3.659	15.43	52.03	0.72	8.8	596.78	0.81	42.98
3.675	15.43	52.03	0.72	8.79	667.16	0.81	42.98
3.682	15.43	52.02	0.61	8.79	664.23	0.81	42.98
3.69	15.43	52.03	0.76	8.78	519.54	0.84	42.98
3.709	15.43	52.02	0.69	8.77	548.24	0.8	42.98
3.743	15.43	52.03	0.72	8.76	561.62	0.79	42.98
3.78	15.43	52.02	0.61	8.76	617.61	0.79	42.98
3.806	15.43	52.02	0.72	8.75	633.56	0.83	42.98
3.82	15.43	52.02	0.76	8.75	530.25	0.82	42.98
3.834	15.43	52.02	0.65	8.75	787.96	0.85	42.98
3.853	15.43	52.02	0.65	8.75	618.32	0.85	42.98
3.878	15.43	52.02	0.8	8.75	576.66	0.84	42.98
3.906	15.43	52.02	0.65	8.76	640.05	0.83	42.98
3.929	15.43	52.03	0.69	8.77	576.79	0.89	42.98
3.945	15.43	52.02	0.72	8.77	644.07	0.83	42.98
3.958	15.43	52.02	0.84	8.77	653.09	0.85	42.98
3.974	15.43	52.02	0.8	8.77	599.97	0.85	42.98
3.998	15.43	52.02	0.72	8.77	574.66	0.84	42.98
4.028	15.43	52.02	0.84	8.77	566.33	0.85	42.98
4.055	15.43	52.02	0.84	8.78	594.02	0.86	42.98
4.076	15.43	52.02	0.76	8.78	659.93	0.84	42.98
4.091	15.43	52.02	0.57	8.77	578.26	0.82	42.98
4.103	15.43	52.02	0.72	8.76	556.44	0.82	42.98
4.118	15.43	52.02	0.72	8.76	542.3	0.83	42.98
4.144	15.43	52.02	0.76	8.75	521.59	0.85	42.98
4.179	15.43	52.02	0.84	8.75	544.95	0.87	42.98
4.207	15.43	52.02	0.76	8.76	508.93	0.89	42.98
4.208	15.43	52.02	0.65	8.79	670.57	0.85	42.98

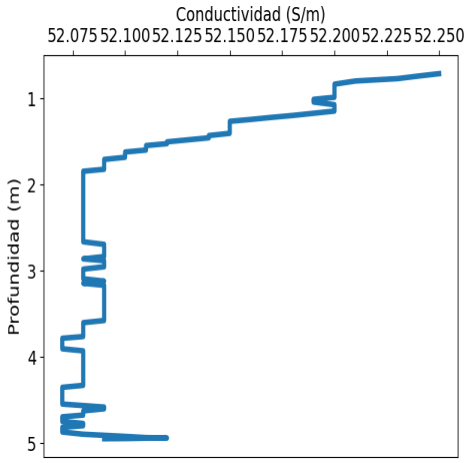
4.217	15.43	52.02	0.72	8.8	550.79	0.88	42.98
4.246	15.43	52.02	0.8	8.82	525.84	0.9	42.98
4.286	15.43	52.02	0.72	8.83	563.31	0.93	42.98
4.319	15.43	52.02	0.92	8.83	559.28	0.92	42.98
4.332	15.43	52.02	0.84	8.83	553.86	0.9	42.98
4.335	15.43	52.02	0.76	8.82	580.01	0.85	42.98
4.346	15.43	52.02	0.76	8.81	545.08	0.89	42.98
4.374	15.43	52.02	0.76	8.79	507.99	0.91	42.98
4.41	15.43	52.02	0.84	8.78	540.92	0.93	42.98
4.443	15.43	52.02	0.76	8.77	533.33	0.84	42.98
4.464	15.43	52.02	0.76	8.77	529.76	0.85	42.98
4.473	15.43	52.02	0.8	8.77	572.4	0.88	42.98
4.485	15.43	52.02	0.76	8.77	573.06	0.88	42.98
4.506	15.43	52.02	0.88	8.77	507.99	0.92	42.98
4.532	15.43	52.02	0.61	8.77	494.06	0.91	42.98
4.555	15.43	52.02	0.65	8.78	519.54	0.89	42.98
4.573	15.43	52.02	0.8	8.78	547.48	0.92	42.98
4.59	15.43	52.02	0.69	8.78	494.63	0.92	42.98
4.611	15.43	52.02	0.72	8.77	520.99	0.86	42.98
4.642	15.43	52.02	0.72	8.77	547.48	0.91	42.98
4.671	15.43	52.02	0.65	8.78	500.51	0.9	42.98
4.691	15.43	52.02	0.65	8.78	474.75	0.91	42.98
4.698	15.43	52.03	0.72	8.79	465.49	0.93	42.98
4.702	15.43	52.02	0.72	8.8	528.16	0.92	42.98
4.716	15.43	52.02	0.8	8.81	489.16	0.92	42.98
4.748	15.43	52.02	0.72	8.82	499.12	0.95	42.98
4.791	15.43	52.02	0.72	8.82	515.7	0.88	42.98
4.826	15.43	52.02	0.8	8.82	470.8	0.94	42.98
4.838	15.43	52.02	0.65	8.8	518.82	0.94	42.98
4.84	15.43	52.02	0.76	8.79	511.06	0.95	42.98
4.86	15.43	52.02	0.72	8.79	491.09	0.93	42.98
4.898	15.43	52.03	0.69	8.78	467.98	0.94	42.98
4.941	15.43	52.02	0.72	8.78	462.91	0.97	42.98
4.965	15.43	52.02	0.72	8.79	510.47	0.95	42.98
4.97	15.43	52.02	0.69	8.8	505.29	0.95	42.98
4.975	15.43	52.03	0.57	8.81	437.25	0.94	42.98
4.993	15.43	52.03	0.76	8.82	463.55	0.92	42.98
5.02	15.43	52.03	0.8	8.82	460.55	0.93	42.98
5.05	15.43	52.02	0.61	8.83	466.46	0.95	42.98
5.072	15.43	52.02	0.69	8.83	470.8	0.98	42.98
5.09	15.43	52.02	0.72	8.83	485.43	0.97	42.98
5.106	15.43	52.02	0.88	8.82	497.39	0.94	42.98
5.123	15.43	52.02	0.84	8.82	453.88	0.94	42.98
5.139	15.43	52.02	0.76	8.82	421.92	0.93	42.98
5.159	15.43	52.02	0.88	8.82	432.61	0.98	42.98
5.182	15.43	52.03	0.72	8.83	472.33	1.0	42.98
5.209	15.43	52.03	0.61	8.83	456.94	1.0	42.98
5.234	15.43	52.03	0.72	8.82	459.27	0.97	42.98
5.253	15.43	52.03	0.76	8.82	443.68	0.96	42.98
5.266	15.43	52.03	0.8	8.82	432.91	0.98	42.98
5.28	15.43	52.03	0.69	8.81	459.91	1.0	42.98
5.296	15.43	52.03	0.76	8.81	440.81	1.04	42.98
5.316	15.43	52.03	0.76	8.8	428.03	1.02	42.98
5.34	15.43	52.03	0.76	8.79	421.72	1.02	42.98
5.37	15.43	52.03	0.72	8.8	418.22	1.01	42.98
5.4	15.43	52.03	0.76	8.79	435.23	1.06	42.98
5.419	15.43	52.03	0.84	8.79	408.54	1.03	42.98
5.427	15.43	52.03	0.76	8.79	406.56	0.98	42.98

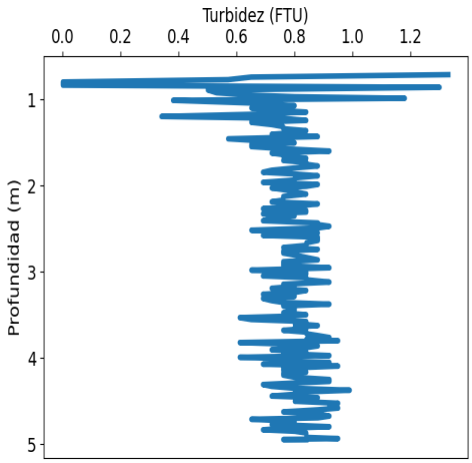
5.436	15.43	52.03	0.69	8.8	431.51	1.02	42.98
5.458	15.43	52.03	0.8	8.81	443.17	1.05	42.98
5.488	15.43	52.03	0.84	8.82	429.72	1.05	42.98
5.517	15.43	52.03	0.65	8.83	440.2	1.01	42.98
5.537	15.43	52.03	0.76	8.84	403.55	1.03	42.98
5.553	15.43	52.03	0.84	8.84	389.22	1.02	42.98
5.565	15.44	52.03	0.8	8.84	407.31	1.02	42.98
5.575	15.44	52.03	0.8	8.83	430.11	1.03	42.98
5.594	15.44	52.03	0.8	8.82	416.57	1.08	42.98
5.622	15.44	52.03	0.76	8.81	387.51	1.07	42.98
5.645	15.44	52.03	0.76	8.81	382.78	1.04	42.98
5.654	15.44	52.03	0.72	8.81	403.46	1.03	42.98
5.657	15.44	52.03	0.72	8.81	414.26	1.07	42.98
5.662	15.44	52.03	0.88	8.82	426.54	1.06	42.98
5.668	15.44	52.03	0.76	8.83	416.96	1.05	42.98
5.673	15.44	52.03	0.92	8.83	391.21	1.03	42.98
5.676	15.44	52.03	0.84	8.85	402.15	1.06	42.98
5.677	15.44	52.03	0.76	8.84	398.44	1.05	42.98

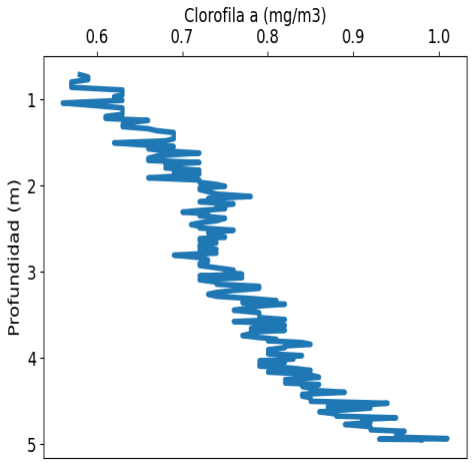
Nombre: CTD E10 - Punto 019 **Fecha: 24/02/2025** **Hora: 11:02:42**

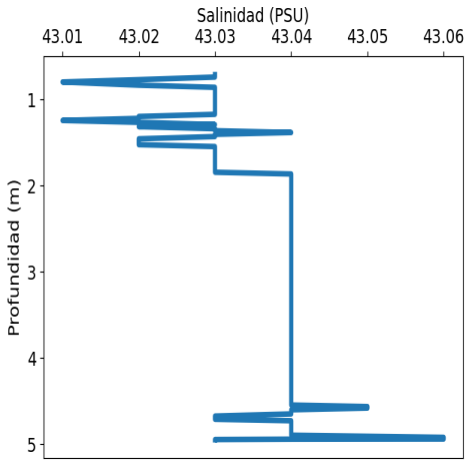


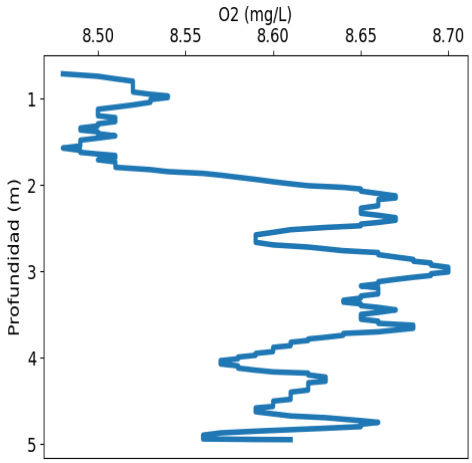


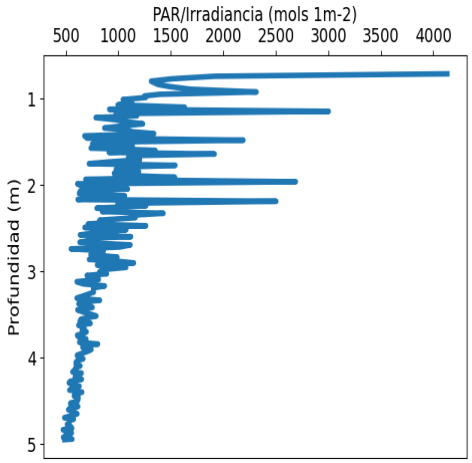












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.42	52.07	0.0	8.48	469.39	0.56	43.01
PROF (metros)	3.66	3.784	0.8	0.715	4.834	1.044	0.8
MÁXIMO	15.57	15.57	1.33	8.7	4136.4	1.01	43.06
PROF (metros)	0.715	0.715	0.715	2.955	0.715	4.936	4.922

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E10 - Punto 019	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.55	52.21	0.83	8.52	1883.91	0.61	43.03
1 - 2m	15.48	52.13	0.74	8.52	1163.73	0.67	43.03
2 - 3m	15.43	52.08	0.8	8.65	934.16	0.73	43.04
3 - 4m	15.43	52.08	0.8	8.65	699.7	0.79	43.04
4 - 5m	15.42	52.08	0.82	8.6	565.19	0.88	43.04

OBSERVACIONES GENERALES

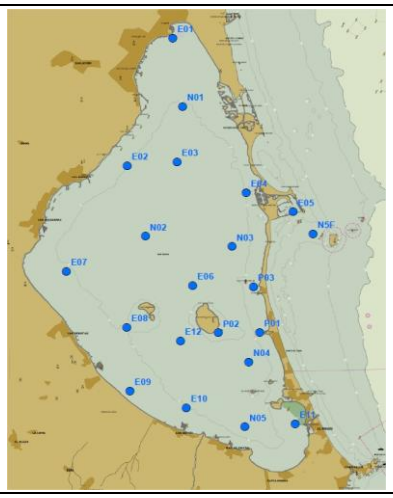
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.715	15.57	52.25	1.33	8.48	4136.4	0.58	43.03
0.743	15.57	52.24	0.65	8.5	1917.5	0.59	43.03
0.773	15.57	52.23	0.57	8.51	1507.8	0.59	43.02
0.8	15.56	52.21	0.0	8.52	1309.6	0.57	43.01
0.837	15.54	52.2	0.0	8.52	1374.3	0.57	43.02
0.862	15.54	52.2	1.3	8.52	1484.2	0.57	43.03
0.893	15.53	52.2	0.5	8.52	1688.0	0.63	43.03
0.925	15.53	52.2	0.53	8.52	2318.3	0.63	43.03
0.952	15.53	52.2	0.65	8.53	1391.9	0.63	43.03
0.971	15.53	52.2	0.8	8.54	1247.4	0.62	43.03
0.989	15.53	52.2	1.18	8.54	1263.7	0.62	43.03
1.013	15.53	52.19	0.38	8.53	1040.6	0.63	43.03
1.044	15.53	52.19	0.65	8.53	1132.5	0.56	43.03
1.075	15.53	52.2	0.8	8.52	991.88	0.6	43.03
1.101	15.53	52.2	0.65	8.51	1634.5	0.63	43.03
1.125	15.53	52.2	0.72	8.5	911.42	0.63	43.03
1.149	15.53	52.2	0.84	8.5	3006.2	0.63	43.03
1.175	15.53	52.19	0.65	8.5	973.43	0.63	43.03
1.2	15.53	52.18	0.34	8.5	1179.4	0.61	43.02
1.222	15.52	52.17	0.76	8.51	782.14	0.61	43.02
1.246	15.51	52.16	0.84	8.51	974.11	0.66	43.01
1.268	15.51	52.15	0.65	8.51	1066.3	0.64	43.02
1.294	15.5	52.15	0.72	8.5	1236.2	0.63	43.03
1.318	15.5	52.15	0.76	8.5	1037.7	0.63	43.02
1.342	15.49	52.15	0.76	8.49	864.71	0.66	43.03
1.365	15.49	52.15	0.84	8.49	1083.5	0.67	43.03
1.386	15.49	52.15	0.8	8.5	1134.9	0.69	43.04
1.407	15.49	52.15	0.72	8.5	1342.2	0.69	43.03
1.433	15.49	52.14	0.88	8.51	674.94	0.69	43.03
1.459	15.49	52.14	0.57	8.5	699.14	0.69	43.02
1.483	15.48	52.13	0.69	8.49	2192.9	0.68	43.02
1.506	15.48	52.12	0.8	8.49	826.3	0.62	43.02
1.527	15.47	52.12	0.65	8.49	748.62	0.65	43.02
1.549	15.47	52.11	0.65	8.49	1138.0	0.69	43.03
1.574	15.46	52.11	0.76	8.48	735.2	0.66	43.03
1.601	15.46	52.11	0.92	8.49	1354.1	0.68	43.03
1.624	15.46	52.1	0.72	8.49	907.84	0.72	43.03

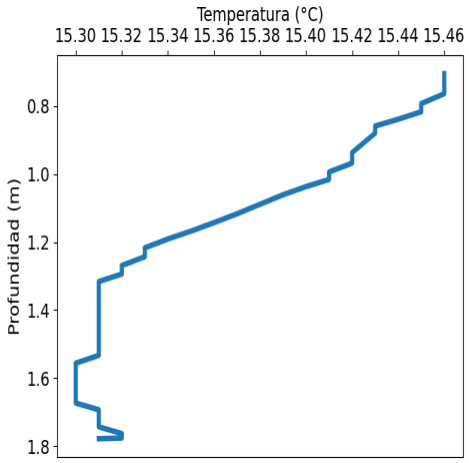
1.643	15.45	52.1	0.76	8.5	1919.3	0.69	43.03
1.66	15.45	52.1	0.76	8.51	1176.1	0.67	43.03
1.685	15.45	52.1	0.84	8.51	1091.5	0.66	43.03
1.71	15.45	52.09	0.76	8.5	1207.3	0.66	43.03
1.734	15.44	52.09	0.84	8.51	915.44	0.72	43.03
1.755	15.44	52.09	0.84	8.51	717.53	0.68	43.03
1.774	15.44	52.09	0.88	8.51	1545.0	0.69	43.03
1.797	15.43	52.09	0.8	8.51	990.96	0.68	43.03
1.824	15.43	52.09	0.72	8.53	974.33	0.72	43.03
1.847	15.43	52.08	0.69	8.54	1198.4	0.69	43.03
1.867	15.43	52.08	0.8	8.56	956.44	0.72	43.04
1.888	15.43	52.08	0.88	8.57	990.96	0.7	43.04
1.912	15.43	52.08	0.8	8.58	1541.0	0.66	43.04
1.937	15.43	52.08	0.8	8.59	684.39	0.72	43.04
1.964	15.43	52.08	0.69	8.6	2692.8	0.72	43.04
1.988	15.43	52.08	0.88	8.61	606.68	0.74	43.04
2.01	15.43	52.08	0.84	8.62	645.56	0.75	43.04
2.029	15.43	52.08	0.72	8.64	840.79	0.72	43.04
2.048	15.43	52.08	0.76	8.65	1092.0	0.72	43.04
2.072	15.43	52.08	0.8	8.65	634.14	0.73	43.04
2.1	15.43	52.08	0.84	8.66	623.36	0.74	43.04
2.128	15.43	52.08	0.76	8.67	1064.3	0.78	43.04
2.151	15.43	52.08	0.76	8.67	782.86	0.73	43.04
2.17	15.43	52.08	0.76	8.66	610.77	0.74	43.04
2.19	15.43	52.08	0.72	8.66	2506.1	0.72	43.04
2.214	15.43	52.08	0.88	8.66	990.73	0.76	43.04
2.241	15.43	52.08	0.8	8.66	1266.9	0.74	43.04
2.27	15.43	52.08	0.69	8.65	791.44	0.75	43.04
2.291	15.43	52.08	0.84	8.65	1068.7	0.72	43.04
2.309	15.43	52.08	0.84	8.65	842.94	0.7	43.04
2.329	15.43	52.08	0.69	8.65	1431.5	0.73	43.04
2.352	15.43	52.08	0.8	8.66	1120.0	0.72	43.04
2.38	15.43	52.08	0.72	8.67	1164.7	0.75	43.04
2.409	15.43	52.08	0.69	8.67	818.11	0.74	43.04
2.435	15.43	52.08	0.88	8.66	904.48	0.72	43.04
2.454	15.43	52.08	0.88	8.65	708.11	0.71	43.04
2.473	15.43	52.08	0.92	8.65	1265.5	0.72	43.04
2.493	15.43	52.08	0.88	8.63	676.19	0.72	43.04
2.519	15.43	52.08	0.65	8.61	1077.4	0.76	43.04
2.55	15.43	52.08	0.88	8.6	818.11	0.73	43.04
2.579	15.43	52.08	0.69	8.59	632.82	0.74	43.04
2.6	15.43	52.08	0.88	8.59	1122.3	0.75	43.04
2.617	15.43	52.08	0.88	8.59	709.75	0.72	43.04
2.638	15.43	52.08	0.88	8.59	746.36	0.72	43.04
2.665	15.43	52.08	0.84	8.59	629.02	0.74	43.04
2.695	15.43	52.09	0.84	8.6	1116.9	0.72	43.04
2.72	15.43	52.09	0.76	8.62	1010.2	0.72	43.04
2.741	15.43	52.09	0.88	8.63	545.83	0.74	43.04
2.762	15.43	52.09	0.76	8.64	862.7	0.72	43.04
2.784	15.43	52.09	0.76	8.66	816.4	0.74	43.04
2.808	15.43	52.09	0.8	8.66	732.99	0.69	43.04
2.836	15.43	52.09	0.84	8.67	991.88	0.72	43.04
2.863	15.43	52.08	0.88	8.68	719.19	0.73	43.04
2.884	15.43	52.09	0.76	8.68	989.81	0.73	43.04
2.904	15.43	52.09	0.76	8.69	1150.2	0.72	43.04
2.928	15.43	52.09	0.76	8.69	795.3	0.72	43.04
2.955	15.43	52.09	0.92	8.7	1076.4	0.74	43.04
2.982	15.43	52.08	0.65	8.7	842.16	0.76	43.04

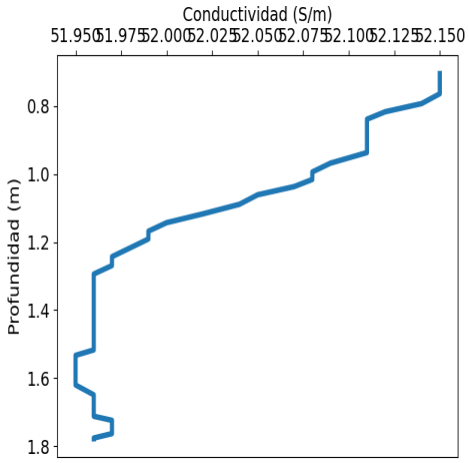
3.008	15.43	52.08	0.84	8.7	817.92	0.75	43.04
3.029	15.43	52.08	0.84	8.69	892.19	0.77	43.04
3.049	15.43	52.08	0.69	8.69	697.04	0.72	43.04
3.07	15.43	52.08	0.84	8.68	766.52	0.77	43.04
3.094	15.43	52.08	0.84	8.67	815.65	0.72	43.04
3.121	15.43	52.09	0.92	8.66	601.36	0.74	43.04
3.146	15.43	52.08	0.76	8.66	663.15	0.74	43.04
3.17	15.43	52.09	0.8	8.65	872.76	0.79	43.04
3.193	15.43	52.09	0.72	8.66	758.57	0.79	43.04
3.218	15.43	52.09	0.84	8.66	758.92	0.76	43.04
3.241	15.43	52.09	0.8	8.66	768.13	0.74	43.04
3.262	15.43	52.09	0.69	8.66	720.03	0.73	43.04
3.286	15.43	52.09	0.8	8.65	663.77	0.74	43.04
3.311	15.43	52.09	0.69	8.65	600.81	0.78	43.04
3.336	15.43	52.09	0.72	8.64	826.5	0.81	43.04
3.357	15.43	52.09	0.76	8.64	652.63	0.77	43.04
3.377	15.43	52.09	0.92	8.65	618.32	0.82	43.04
3.398	15.43	52.09	0.76	8.65	725.39	0.79	43.04
3.419	15.43	52.09	0.8	8.66	755.76	0.78	43.04
3.447	15.43	52.09	0.8	8.67	607.95	0.76	43.04
3.476	15.43	52.09	0.76	8.66	673.38	0.79	43.04
3.5	15.43	52.09	0.84	8.65	746.19	0.79	43.04
3.518	15.43	52.09	0.76	8.65	791.99	0.79	43.04
3.533	15.43	52.09	0.61	8.65	730.45	0.79	43.04
3.555	15.43	52.09	0.65	8.65	640.94	0.82	43.04
3.578	15.43	52.09	0.84	8.66	630.04	0.76	43.04
3.603	15.43	52.08	0.8	8.66	737.25	0.81	43.04
3.625	15.43	52.08	0.88	8.68	616.75	0.82	43.04
3.642	15.43	52.08	0.8	8.68	671.97	0.79	43.04
3.66	15.42	52.08	0.84	8.68	678.86	0.78	43.04
3.68	15.42	52.08	0.76	8.67	649.61	0.82	43.04
3.701	15.42	52.08	0.84	8.66	699.3	0.78	43.04
3.72	15.42	52.08	0.84	8.64	666.24	0.78	43.04
3.741	15.42	52.08	0.88	8.64	604.86	0.77	43.04
3.764	15.42	52.08	0.92	8.63	622.64	0.79	43.04
3.784	15.42	52.07	0.84	8.62	696.39	0.81	43.04
3.801	15.42	52.07	0.95	8.62	681.86	0.8	43.04
3.822	15.42	52.07	0.61	8.61	625.53	0.84	43.04
3.843	15.42	52.07	0.8	8.61	807.56	0.85	43.04
3.861	15.42	52.07	0.88	8.61	659.48	0.82	43.04
3.881	15.42	52.07	0.84	8.6	656.12	0.82	43.04
3.906	15.42	52.07	0.72	8.6	745.15	0.8	43.04
3.93	15.42	52.08	0.84	8.6	701.9	0.81	43.04
3.951	15.42	52.08	0.76	8.59	650.52	0.8	43.04
3.973	15.42	52.08	0.92	8.59	603.46	0.84	43.04
3.993	15.42	52.08	0.61	8.58	614.18	0.82	43.04
4.013	15.42	52.08	0.8	8.58	668.09	0.83	43.04
4.034	15.42	52.08	0.72	8.57	608.37	0.79	43.04
4.053	15.42	52.08	0.92	8.57	592.65	0.82	43.04
4.073	15.42	52.08	0.69	8.57	591.96	0.79	43.04
4.095	15.42	52.08	0.95	8.58	640.05	0.79	43.04
4.121	15.42	52.08	0.76	8.58	588.27	0.83	43.04
4.145	15.42	52.08	0.76	8.59	581.22	0.85	43.04
4.165	15.42	52.08	0.84	8.6	560.32	0.8	43.04
4.179	15.42	52.08	0.76	8.62	651.73	0.83	43.04
4.2	15.42	52.08	0.76	8.62	588.95	0.85	43.04
4.225	15.42	52.08	0.8	8.63	583.51	0.86	43.04
4.251	15.42	52.08	0.92	8.63	654.0	0.82	43.04

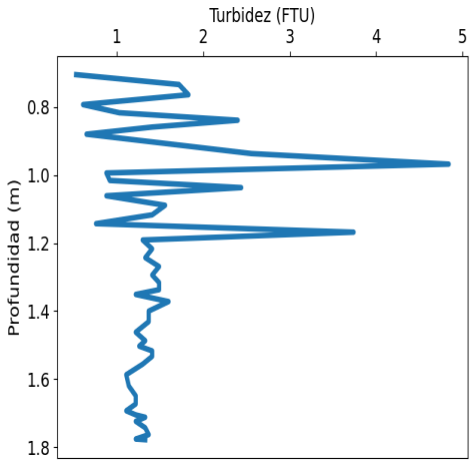
4.273	15.42	52.08	0.92	8.63	540.05	0.84	43.04
4.291	15.42	52.08	0.8	8.62	526.33	0.82	43.04
4.309	15.42	52.08	0.69	8.62	553.86	0.86	43.04
4.33	15.42	52.08	0.72	8.62	631.36	0.84	43.04
4.353	15.42	52.07	0.8	8.62	573.06	0.85	43.04
4.375	15.42	52.07	0.99	8.62	531.23	0.85	43.04
4.399	15.42	52.07	0.8	8.61	656.88	0.89	43.04
4.422	15.42	52.07	0.8	8.61	581.08	0.84	43.04
4.443	15.42	52.07	0.72	8.61	574.92	0.84	43.04
4.462	15.42	52.07	0.88	8.61	622.64	0.85	43.04
4.482	15.42	52.07	0.84	8.61	620.19	0.85	43.04
4.503	15.42	52.07	0.8	8.6	613.04	0.85	43.04
4.526	15.42	52.07	0.95	8.6	540.92	0.94	43.04
4.547	15.42	52.07	0.92	8.6	541.8	0.91	43.04
4.565	15.42	52.08	0.92	8.6	619.33	0.87	43.05
4.582	15.42	52.09	0.95	8.59	545.96	0.92	43.05
4.602	15.43	52.09	0.88	8.59	520.27	0.89	43.04
4.626	15.43	52.08	0.76	8.59	575.72	0.86	43.04
4.65	15.43	52.08	0.88	8.6	610.77	0.88	43.04
4.675	15.43	52.08	0.92	8.61	538.55	0.88	43.03
4.695	15.43	52.07	0.88	8.63	482.85	0.95	43.03
4.712	15.42	52.07	0.65	8.64	577.19	0.91	43.03
4.729	15.42	52.07	0.76	8.65	533.95	0.92	43.04
4.749	15.42	52.07	0.8	8.66	535.93	0.92	43.04
4.772	15.42	52.08	0.72	8.65	508.46	0.89	43.04
4.798	15.42	52.08	0.92	8.65	549.52	0.92	43.04
4.817	15.42	52.07	0.76	8.63	561.23	0.92	43.04
4.834	15.42	52.07	0.69	8.61	469.39	0.92	43.04
4.851	15.42	52.07	0.8	8.59	494.63	0.96	43.04
4.871	15.42	52.07	0.84	8.57	558.12	0.95	43.04
4.897	15.42	52.08	0.84	8.56	519.06	0.95	43.04
4.922	15.42	52.1	0.84	8.56	471.46	0.96	43.06
4.936	15.43	52.11	0.95	8.56	531.48	1.01	43.06
4.941	15.44	52.12	0.84	8.56	529.39	0.95	43.06
4.943	15.45	52.11	0.84	8.57	563.05	0.93	43.04
4.947	15.45	52.1	0.76	8.59	497.39	0.98	43.03
4.949	15.45	52.09	0.84	8.61	484.08	0.98	43.03

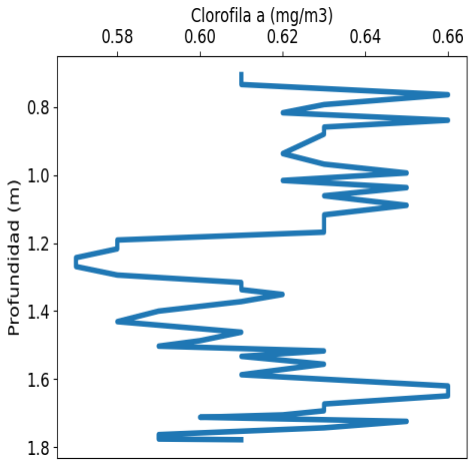
Nombre: CTD E09 - Punto 020 **Fecha: 24/02/2025** **Hora: 11:02:40**

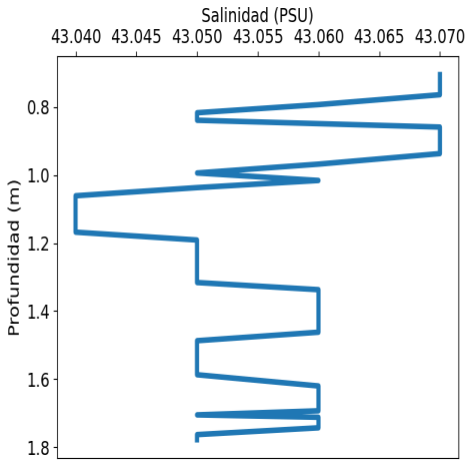


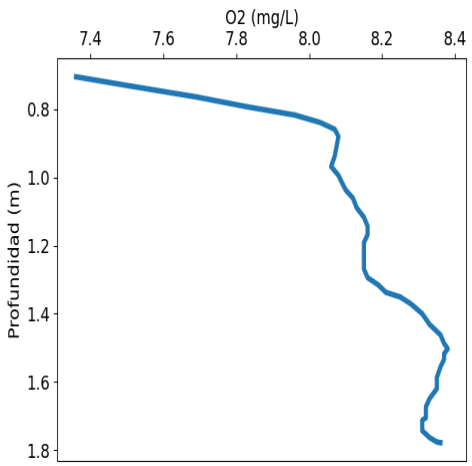


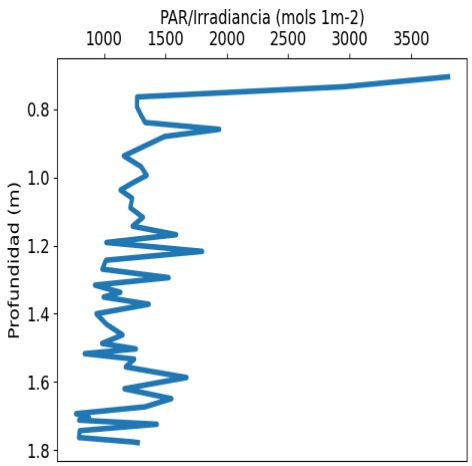


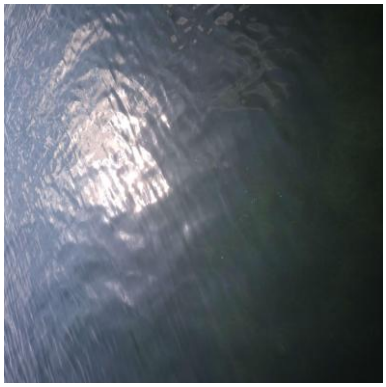












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.3	51.95	0.53	7.36	769.37	0.57	43.04
PROF (metros)	1.556	1.533	0.705	0.705	1.693	1.243	1.061
MÁXIMO	15.46	15.46	4.84	8.38	3803.5	0.66	43.07
PROF (metros)	0.705	0.705	0.968	1.503	0.705	0.764	0.705

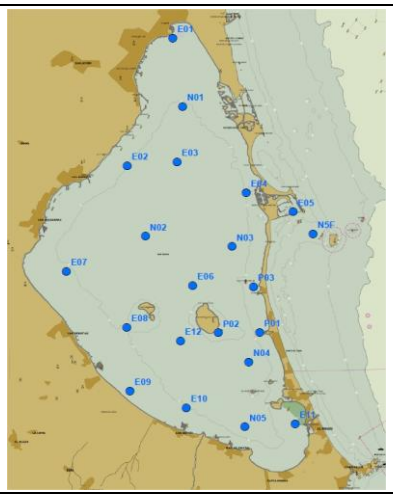
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E09 - Punto 020	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.44	52.12	1.68	7.89	1742.11	0.63	43.06
1 - 2m	15.33	51.98	1.39	8.26	1166.27	0.61	43.05

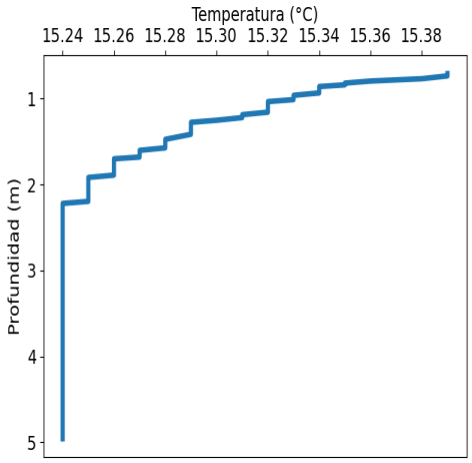
OBSERVACIONES GENERALES

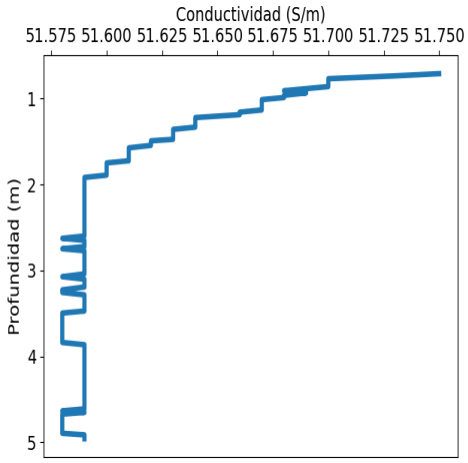
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.705	15.46	52.15	0.53	7.36	3803.5	0.61	43.07
0.734	15.46	52.15	1.72	7.52	2956.4	0.61	43.07
0.764	15.46	52.15	1.83	7.69	1267.8	0.66	43.07
0.793	15.45	52.14	0.61	7.83	1266.9	0.63	43.06
0.817	15.45	52.12	1.03	7.96	1299.4	0.62	43.05
0.839	15.44	52.11	2.4	8.03	1333.8	0.66	43.05
0.859	15.43	52.11	1.41	8.07	1938.0	0.63	43.07
0.88	15.43	52.11	0.65	8.08	1492.5	0.63	43.07
0.937	15.42	52.11	2.56	8.07	1159.3	0.62	43.07
0.968	15.42	52.09	4.84	8.06	1299.0	0.63	43.06
0.994	15.41	52.08	0.88	8.08	1346.6	0.65	43.05
1.016	15.41	52.08	0.92	8.09	1232.2	0.62	43.06
1.037	15.4	52.07	2.44	8.1	1132.2	0.65	43.05
1.061	15.39	52.05	0.88	8.12	1228.2	0.63	43.04
1.089	15.38	52.04	1.56	8.13	1212.6	0.65	43.04
1.117	15.37	52.02	1.41	8.15	1315.7	0.63	43.04
1.143	15.36	52.0	0.76	8.16	1230.8	0.63	43.04
1.168	15.35	51.99	3.74	8.16	1587.1	0.63	43.04
1.191	15.34	51.99	1.3	8.15	1016.5	0.58	43.05
1.217	15.33	51.98	1.41	8.15	1799.1	0.58	43.05
1.243	15.33	51.97	1.33	8.15	1014.4	0.57	43.05
1.269	15.32	51.97	1.49	8.15	984.09	0.57	43.05
1.294	15.32	51.96	1.41	8.16	1525.7	0.58	43.05
1.316	15.31	51.96	1.49	8.19	923.54	0.61	43.05
1.337	15.31	51.96	1.49	8.21	1132.5	0.61	43.06
1.351	15.31	51.96	1.22	8.25	994.18	0.62	43.06
1.372	15.31	51.96	1.6	8.28	1363.8	0.61	43.06
1.4	15.31	51.96	1.37	8.31	935.82	0.59	43.06
1.431	15.31	51.96	1.37	8.33	1019.1	0.58	43.06
1.462	15.31	51.96	1.22	8.36	1150.2	0.61	43.06
1.487	15.31	51.96	1.33	8.37	981.82	0.6	43.05
1.503	15.31	51.96	1.26	8.38	1258.4	0.59	43.05
1.517	15.31	51.96	1.41	8.37	840.4	0.63	43.05
1.533	15.31	51.95	1.41	8.37	1244.8	0.61	43.05
1.556	15.3	51.95	1.3	8.36	1175.0	0.63	43.05
1.587	15.3	51.95	1.11	8.35	1671.3	0.61	43.05
1.62	15.3	51.95	1.14	8.35	1163.4	0.66	43.06
1.649	15.3	51.96	1.22	8.33	1548.2	0.66	43.06
1.673	15.3	51.96	1.22	8.32	1332.0	0.63	43.06
1.693	15.31	51.96	1.11	8.32	769.37	0.63	43.06

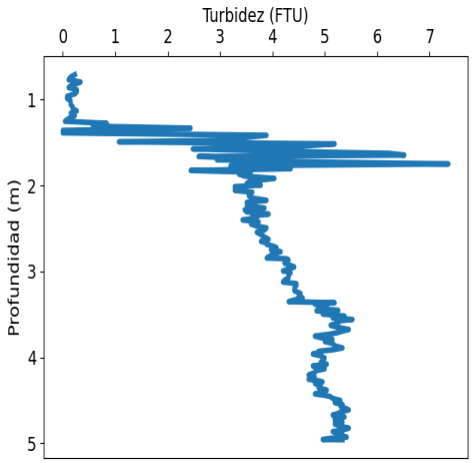
1.705	15.31	51.96	1.22	8.32	876.82	0.62	43.05
1.712	15.31	51.96	1.33	8.31	794.75	0.6	43.06
1.724	15.31	51.97	1.22	8.31	1429.5	0.65	43.06
1.743	15.31	51.97	1.33	8.31	800.11	0.63	43.06
1.763	15.32	51.97	1.37	8.33	793.83	0.59	43.05
1.776	15.32	51.96	1.22	8.35	1234.5	0.59	43.05
1.778	15.31	51.96	1.33	8.36	1273.7	0.61	43.05

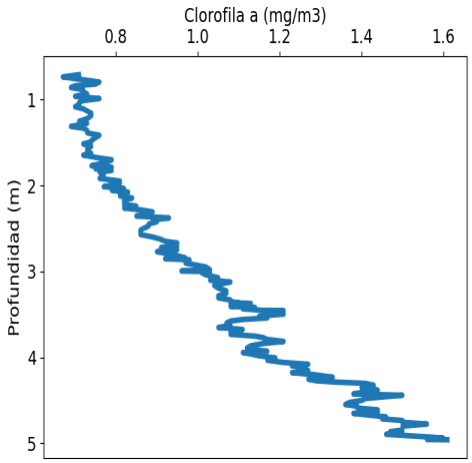
Nombre: CTD E08 - Punto 021 **Fecha: 24/02/2025** **Hora: 11:02:25**

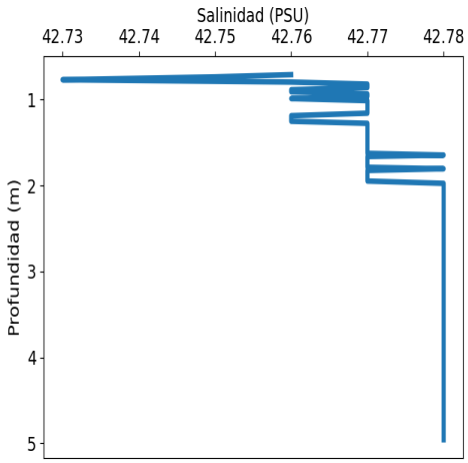


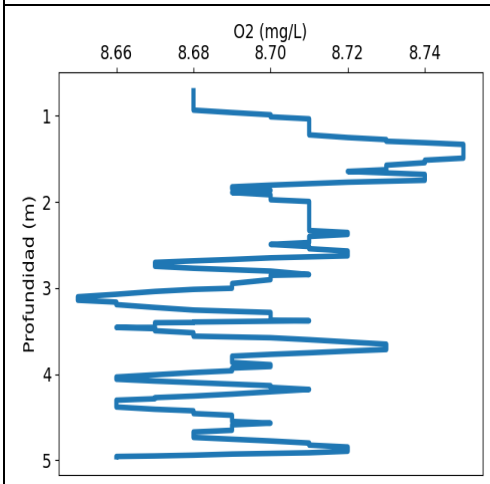


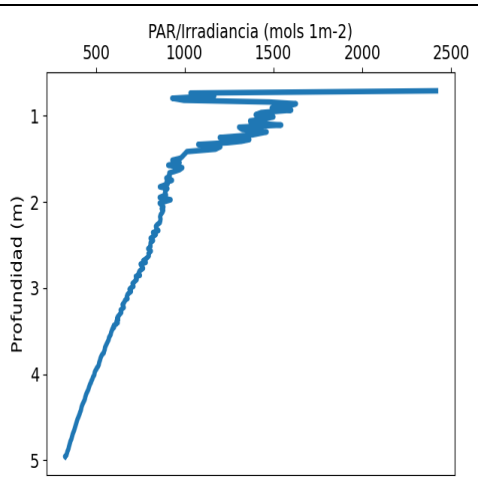












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	15.24	51.58	0.0	8.65	324.18	0.67	42.73
PROF (metros)	2.241	2.627	1.36	3.102	4.955	0.738	0.771
MÁXIMO	15.39	15.39	7.36	8.75	2417.1	1.61	42.78
PROF (metros)	0.712	0.712	1.75	1.334	0.712	4.957	1.647

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E08 - Punto 021	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	15.35	51.7	0.19	8.68	1429.14	0.72	42.76
1 - 2m	15.28	51.62	2.66	8.72	1075.21	0.74	42.77
2 - 3m	15.24	51.59	3.8	8.7	804.83	0.89	42.78
3 - 4m	15.24	51.59	4.89	8.69	593.29	1.11	42.78
4 - 5m	15.24	51.59	5.1	8.69	398.51	1.4	42.78

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)
0.712	15.39	51.75	0.23	8.68	2417.1	0.71	42.76
0.738	15.39	51.73	0.15	8.68	1031.5	0.67	42.75
0.771	15.38	51.7	0.11	8.68	1166.6	0.72	42.73
0.798	15.36	51.7	0.34	8.68	928.48	0.76	42.76
0.822	15.35	51.7	0.23	8.68	994.87	0.75	42.77
0.842	15.35	51.7	0.15	8.68	1477.4	0.7	42.77
0.862	15.34	51.7	0.11	8.68	1627.3	0.69	42.77
0.887	15.34	51.69	0.27	8.68	1587.4	0.72	42.76
0.911	15.34	51.68	0.27	8.68	1489.4	0.72	42.76
0.936	15.34	51.69	0.23	8.68	1600.4	0.73	42.77
0.964	15.33	51.68	0.08	8.69	1430.5	0.7	42.77
0.99	15.33	51.68	0.08	8.7	1398.7	0.76	42.76
1.014	15.33	51.67	0.15	8.7	1500.2	0.72	42.77
1.037	15.32	51.67	0.15	8.71	1453.3	0.71	42.77
1.061	15.32	51.67	0.15	8.71	1367.6	0.71	42.77
1.085	15.32	51.67	0.19	8.71	1371.4	0.7	42.77
1.109	15.32	51.67	0.19	8.71	1544.2	0.72	42.77
1.134	15.32	51.67	0.27	8.71	1305.4	0.73	42.77
1.16	15.32	51.66	0.15	8.71	1323.1	0.74	42.77
1.189	15.31	51.66	0.23	8.71	1462.0	0.74	42.76
1.223	15.31	51.64	0.11	8.71	1381.0	0.73	42.76
1.254	15.3	51.64	0.04	8.72	1196.4	0.71	42.76
1.278	15.29	51.64	0.84	8.73	1364.2	0.73	42.77
1.297	15.29	51.64	0.57	8.73	1319.7	0.71	42.77
1.314	15.29	51.64	0.8	8.74	1243.1	0.69	42.77
1.334	15.29	51.64	2.44	8.75	1074.9	0.72	42.77
1.36	15.29	51.63	0.0	8.75	1201.2	0.73	42.77
1.389	15.29	51.63	0.0	8.75	1172.8	0.73	42.77
1.417	15.29	51.63	3.89	8.75	1011.8	0.76	42.77
1.476	15.28	51.63	2.94	8.75	985.23	0.74	42.77
1.493	15.28	51.62	1.07	8.75	976.37	0.74	42.77
1.517	15.28	51.62	5.19	8.74	929.12	0.72	42.77
1.546	15.28	51.62	4.5	8.74	971.4	0.74	42.77
1.575	15.28	51.61	2.48	8.73	905.73	0.73	42.77
1.604	15.27	51.61	4.2	8.73	986.15	0.73	42.77
1.627	15.27	51.61	6.22	8.73	970.28	0.74	42.77
1.647	15.27	51.61	6.52	8.72	941.7	0.72	42.78

1.664	15.27	51.61	2.59	8.73	912.48	0.74	42.77
1.682	15.27	51.61	3.36	8.74	911.63	0.76	42.77
1.702	15.26	51.61	2.94	8.74	914.81	0.79	42.77
1.725	15.26	51.61	4.62	8.74	895.09	0.78	42.77
1.75	15.26	51.6	7.36	8.74	928.26	0.76	42.77
1.772	15.26	51.6	3.2	8.72	896.54	0.74	42.77
1.789	15.26	51.6	4.08	8.71	904.27	0.79	42.77
1.806	15.26	51.6	4.35	8.7	885.39	0.75	42.78
1.826	15.26	51.6	2.44	8.69	858.91	0.79	42.77
1.846	15.26	51.6	3.59	8.69	902.38	0.76	42.77
1.867	15.26	51.6	3.36	8.7	891.78	0.77	42.77
1.892	15.26	51.6	3.47	8.69	887.65	0.77	42.77
1.919	15.25	51.59	4.04	8.7	894.26	0.76	42.77
1.949	15.25	51.59	3.59	8.7	857.92	0.81	42.77
1.976	15.25	51.59	3.51	8.7	920.34	0.81	42.78
1.996	15.25	51.59	3.78	8.71	887.24	0.79	42.78
2.015	15.25	51.59	3.28	8.71	857.72	0.77	42.78
2.036	15.25	51.59	3.4	8.71	868.32	0.82	42.78
2.058	15.25	51.59	3.28	8.71	879.67	0.79	42.78
2.079	15.25	51.59	3.62	8.71	868.93	0.83	42.78
2.098	15.25	51.59	3.55	8.71	878.65	0.81	42.78
2.122	15.25	51.59	3.55	8.71	873.57	0.81	42.78
2.147	15.25	51.59	3.62	8.71	864.11	0.84	42.78
2.174	15.25	51.59	3.89	8.71	860.31	0.82	42.78
2.197	15.25	51.59	3.51	8.71	863.31	0.82	42.78
2.221	15.24	51.59	3.66	8.71	861.71	0.82	42.78
2.241	15.24	51.59	3.51	8.71	859.31	0.85	42.78
2.263	15.24	51.59	3.85	8.71	845.09	0.82	42.78
2.284	15.24	51.59	3.47	8.71	836.32	0.86	42.78
2.308	15.24	51.59	3.51	8.71	839.04	0.89	42.78
2.333	15.24	51.59	3.93	8.71	851.38	0.88	42.78
2.356	15.24	51.59	3.62	8.72	820.2	0.85	42.78
2.378	15.24	51.59	3.7	8.72	837.1	0.93	42.78
2.402	15.24	51.59	3.43	8.71	821.91	0.89	42.78
2.423	15.24	51.59	3.74	8.71	806.62	0.9	42.78
2.449	15.24	51.59	3.59	8.71	821.15	0.88	42.78
2.472	15.24	51.59	3.7	8.71	807.0	0.88	42.78
2.494	15.24	51.59	3.89	8.7	806.06	0.87	42.78
2.519	15.24	51.59	3.85	8.71	806.62	0.86	42.78
2.544	15.24	51.59	3.7	8.71	793.09	0.86	42.78
2.571	15.24	51.59	3.78	8.72	808.87	0.86	42.78
2.6	15.24	51.59	3.85	8.72	794.75	0.89	42.78
2.627	15.24	51.58	3.93	8.72	797.33	0.91	42.78
2.65	15.24	51.59	3.78	8.7	786.87	0.92	42.78
2.669	15.24	51.59	3.89	8.69	775.46	0.95	42.78
2.685	15.24	51.59	3.89	8.68	764.22	0.94	42.78
2.703	15.24	51.59	4.0	8.67	780.15	0.95	42.78
2.723	15.24	51.59	4.08	8.67	750.01	0.91	42.78
2.748	15.24	51.58	3.97	8.67	758.04	0.95	42.78
2.771	15.24	51.59	4.16	8.68	764.93	0.9	42.78
2.804	15.24	51.59	4.0	8.7	744.29	0.94	42.78
2.844	15.24	51.59	3.89	8.71	736.57	0.97	42.78
2.853	15.24	51.59	4.27	8.7	747.23	0.92	42.78
2.865	15.24	51.59	4.31	8.7	723.2	0.98	42.78
2.903	15.24	51.59	4.23	8.7	728.59	0.97	42.78
2.948	15.24	51.59	4.42	8.69	704.84	1.02	42.78
2.981	15.24	51.59	4.27	8.69	710.58	1.03	42.78
2.995	15.24	51.59	4.2	8.69	699.63	0.96	42.78

3.003	15.24	51.59	4.31	8.69	693.17	1.03	42.78
3.016	15.24	51.59	4.35	8.68	687.73	1.01	42.78
3.04	15.24	51.59	4.31	8.67	696.55	1.02	42.78
3.073	15.24	51.58	4.31	8.66	677.29	1.05	42.78
3.102	15.24	51.59	4.23	8.65	672.28	1.03	42.78
3.123	15.24	51.59	4.2	8.65	677.29	1.08	42.78
3.142	15.24	51.59	4.46	8.65	662.85	1.06	42.78
3.164	15.24	51.59	4.46	8.66	658.86	1.04	42.78
3.193	15.24	51.59	4.42	8.66	648.26	1.05	42.78
3.226	15.24	51.58	4.42	8.67	656.12	1.07	42.78
3.256	15.24	51.58	4.54	8.68	637.83	1.07	42.78
3.284	15.24	51.59	4.5	8.7	641.83	1.05	42.78
3.308	15.24	51.59	4.58	8.7	632.38	1.05	42.78
3.332	15.24	51.59	4.42	8.7	622.49	1.08	42.78
3.351	15.24	51.59	4.31	8.7	618.04	1.08	42.78
3.364	15.24	51.59	5.07	8.7	623.94	1.1	42.78
3.365	15.24	51.59	5.19	8.7	618.9	1.08	42.78
3.368	15.24	51.59	5.11	8.7	622.93	1.11	42.78
3.373	15.24	51.59	4.84	8.7	617.18	1.13	42.78
3.38	15.24	51.59	4.81	8.71	615.75	1.1	42.78
3.395	15.24	51.59	4.88	8.68	613.61	1.11	42.78
3.4	15.24	51.59	5.0	8.68	613.47	1.08	42.78
3.403	15.24	51.59	5.04	8.67	622.2	1.09	42.78
3.407	15.24	51.59	4.96	8.67	618.61	1.08	42.78
3.418	15.24	51.59	4.88	8.67	613.19	1.14	42.78
3.435	15.24	51.59	4.88	8.67	599.41	1.11	42.78
3.45	15.24	51.59	5.23	8.67	598.58	1.15	42.78
3.453	15.24	51.59	5.26	8.67	597.33	1.16	42.78
3.457	15.24	51.59	4.84	8.67	601.08	1.21	42.78
3.458	15.24	51.59	4.84	8.66	600.81	1.17	42.78
3.472	15.24	51.59	5.11	8.67	592.1	1.17	42.78
3.496	15.24	51.58	4.96	8.67	587.86	1.21	42.78
3.52	15.24	51.58	5.38	8.68	583.78	1.15	42.78
3.541	15.24	51.58	5.15	8.68	582.3	1.17	42.78
3.559	15.24	51.58	5.53	8.68	576.66	1.11	42.78
3.577	15.24	51.58	5.23	8.7	572.0	1.08	42.78
3.6	15.24	51.58	5.26	8.71	570.54	1.07	42.78
3.626	15.24	51.58	5.11	8.72	564.23	1.08	42.78
3.652	15.24	51.58	5.26	8.73	558.25	1.05	42.78
3.675	15.24	51.58	5.46	8.73	553.22	1.11	42.78
3.694	15.24	51.58	5.34	8.73	549.13	1.09	42.78
3.714	15.24	51.58	5.23	8.73	548.88	1.08	42.78
3.732	15.24	51.58	5.07	8.72	545.2	1.08	42.78
3.752	15.24	51.58	4.81	8.71	543.06	1.14	42.78
3.77	15.24	51.58	4.92	8.7	534.69	1.16	42.78
3.791	15.24	51.58	5.15	8.69	528.9	1.17	42.78
3.814	15.24	51.58	5.0	8.69	524.5	1.21	42.78
3.838	15.24	51.58	5.15	8.69	521.71	1.16	42.78
3.864	15.24	51.59	5.19	8.69	517.14	1.13	42.78
3.89	15.24	51.59	5.34	8.7	514.99	1.12	42.78
3.911	15.24	51.59	5.15	8.7	510.23	1.14	42.78
3.929	15.24	51.59	4.88	8.69	503.3	1.17	42.78
3.943	15.24	51.59	4.92	8.69	501.44	1.11	42.78
3.96	15.24	51.59	4.77	8.69	495.32	1.13	42.78
3.981	15.24	51.59	4.92	8.68	491.32	1.15	42.78
4.007	15.24	51.59	5.0	8.67	490.07	1.19	42.78
4.033	15.24	51.59	4.96	8.66	482.18	1.17	42.78
4.059	15.24	51.59	4.92	8.66	478.17	1.21	42.78

4.08	15.24	51.59	5.04	8.67	472.77	1.27	42.78
4.098	15.24	51.59	4.77	8.68	470.7	1.23	42.78
4.115	15.24	51.59	4.81	8.69	465.81	1.26	42.78
4.133	15.24	51.59	5.0	8.7	462.8	1.25	42.78
4.153	15.24	51.59	4.84	8.7	459.27	1.27	42.78
4.177	15.24	51.59	4.81	8.71	455.98	1.23	42.78
4.204	15.24	51.59	4.69	8.7	449.69	1.29	42.78
4.231	15.24	51.59	4.81	8.69	443.79	1.33	42.78
4.254	15.24	51.59	4.69	8.68	440.51	1.27	42.78
4.272	15.24	51.59	4.88	8.67	437.76	1.29	42.78
4.285	15.24	51.59	4.96	8.67	436.95	1.33	42.78
4.302	15.24	51.59	4.81	8.66	434.02	1.41	42.78
4.324	15.24	51.59	4.92	8.66	428.72	1.43	42.78
4.351	15.24	51.59	4.88	8.66	422.7	1.4	42.78
4.381	15.24	51.59	5.04	8.66	417.64	1.44	42.78
4.407	15.24	51.59	4.92	8.67	415.23	1.4	42.78
4.425	15.24	51.59	4.81	8.68	413.02	1.38	42.78
4.44	15.24	51.59	5.0	8.68	409.59	1.5	42.78
4.457	15.24	51.59	5.11	8.68	407.41	1.46	42.78
4.477	15.24	51.59	5.15	8.69	403.93	1.41	42.78
4.5	15.24	51.59	5.3	8.69	399.55	1.4	42.78
4.525	15.24	51.59	5.19	8.69	394.22	1.37	42.78
4.548	15.24	51.59	5.34	8.69	390.94	1.36	42.78
4.568	15.24	51.59	5.3	8.7	387.87	1.39	42.78
4.588	15.24	51.59	5.38	8.69	385.01	1.39	42.78
4.61	15.24	51.59	5.46	8.69	382.25	1.44	42.78
4.633	15.24	51.58	5.3	8.69	378.9	1.44	42.78
4.651	15.24	51.59	5.26	8.69	376.01	1.38	42.78
4.671	15.24	51.58	5.15	8.68	372.2	1.42	42.78
4.692	15.24	51.58	5.38	8.68	368.25	1.46	42.78
4.714	15.24	51.58	5.19	8.68	365.27	1.45	42.78
4.734	15.24	51.58	5.19	8.68	362.91	1.5	42.78
4.754	15.24	51.58	5.34	8.69	360.15	1.5	42.78
4.775	15.24	51.58	5.19	8.7	355.42	1.56	42.78
4.799	15.24	51.58	5.3	8.71	352.22	1.5	42.78
4.823	15.24	51.58	5.46	8.71	349.46	1.5	42.78
4.845	15.24	51.58	5.34	8.72	346.15	1.5	42.78
4.863	15.24	51.58	5.15	8.72	344.23	1.47	42.78
4.878	15.24	51.58	5.23	8.72	341.77	1.5	42.78
4.894	15.24	51.58	5.34	8.72	338.3	1.46	42.78
4.912	15.24	51.59	5.26	8.71	336.11	1.52	42.78
4.927	15.24	51.59	5.42	8.69	334.01	1.57	42.78
4.94	15.24	51.59	5.11	8.68	330.86	1.6	42.78
4.949	15.24	51.59	5.04	8.67	326.89	1.56	42.78
4.955	15.24	51.59	4.96	8.66	324.18	1.56	42.78
4.957	15.24	51.59	5.34	8.66	325.23	1.61	42.78